ORDER NO. ITD0309034C0

D10 Canada: B07

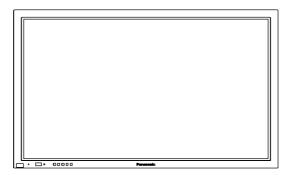
Service Manual

High Definition Plasma Display

TH-50PHW6BX / TH-50PHW6EX / TH-50PHD6EX / TH-50PHD6UY

50PHD6BX / TH-50PHD6UY

GPH6D2 Chassis



SPECIFICATIONS

Specifications

Power Source: AC120V 50 / 60Hz (UY version)

AC220-240V 50 / 60Hz (Except UY version model)

Power Consumption: 445 W

Save off 1.6 W, Save on 0.9 W (stand-by

condition) (UY version)

Save off 1.9 W, Save on 1.1 W (stand-by

condition)

(Except UY version model)
0.2 W (Power off condition)

(UY version model)

0.4 W (Power off condition) (Except UY version model)

Plasma Display panel: Drive method AC type

16:9 aspect ratio

Contrast Ratio 3000:1

Screen size: $1,106 \text{ mm (W)} \times 622 \text{ mm (H)}$

1,269 mm (diagonal)

No. of pixels

1,049,088 (1,366 (W) × 768 (H))

 $[4,098 \times 768 \text{ dots}]$

Operating condition:

Temperature 34 ° F - 104 ° F (0 ° C - 40 ° C)

Humidity 20 % - 80 %

Horizontal scanning frequency 15 -

110kHz

Vertical scanning frequency 48 - 120Hz

Connection terminals:

ΑV

Video in 1.0 Vp-p (75-ohm)

S-VIDEO IN / Y: 1 Vp-p (75-ohm), C: 0.286 Vp-p

(MINI DIN 4PIN) (75-ohm)

AUDIO IN / (RCA 0.5 Vrms (high impedance)

PIN JACK × 2)

COMPONENT / RGB

Y / G 1.0 Vp-p / composite (75-ohm)

0.7 Vp-p / non-composite (75-ohm)

P B / B 0.7 Vp-p (75-ohm)
P R / R 0.7 Vp-p (75-ohm)

HD 1.0 - 5.0 Vp-p (high impedance)
VD 1.0 - 5.0 Vp-p (high impedance)
AUDIO IN 0.5 Vrms (high impedance)

(RCA PIN JACK × 2)

PC

(HIGH-DENSITY R,G,B / 0.7 Vp-p (75-ohm)

D-SUB15PIN)

HD, VD / 1.0 - 5.0 Vp-p (high

impedance)

AUDIO IN (M3 JACK) 0.5Vrms (high impedance)

SERIAL

EXTERNAL CONTROL RS-232C COMPATIBLE

TERMINAL (D-

SUB9PIN)

SPEAKERS (External 16W [8W + 8W] (10 % THD)

speakers) (6 Ω)

Dimensions (W \times H \times 1,210 mm \times 724 mm 95 mm

D۱۰

Weight (Mass) approx. 43.5 kg net (main unit only) approx. 48.1 kg net (with speakers)

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⚠ WARNING

This service information is designed for experienced repair technicians only and is not designed for use by the general public. It does not contain warnings or cautions to advise non-technical individuals of potential dangers in attempting to service a product. Products powered by electricity should be serviced or repaired only by experienced professional technicians. Any attempt to service or repair the product or products dealt with in this service information by anyone else could result in serious injury or death.



1. Applicable signals

	signal name	horizontal frequency(kHz)	vertital frequency(Hz)			
1	NTSC	15.734	59.95	l		
2	PAL	15.625	50	* Mark: By installing the optional		
3	PAL60	15.734	59.95			ing the ontional
4	SECAM	15.625	50			Board.
5	Modified NTSC	15.734	59.95)
Applic	able input signals for PC Inpu	ut (D-sub 15P) (* M	ark)	, <u> </u>	÷	<u> </u>
	signal name	horizontal frequency(kHz)	vertital frequency(Hz)	RGB	PC	when Multi Screer and Digital Zoom
1	525(480)/60i	15.73	59.94	*	*	*
2	525(480)/60p	31.47	59.94	*	*	*
3	625(575)/50i	15.63	50.00	*	*	*
4	625(575)/50p	31.25	50.00	*	*	*
5	750(720)/60p	45.00	60.00	*	*	*
6	750(720)/50p	37.50	50.00	*	*	*
7	1,125(1,080)/60i	33.75	59.94	*	*	*
8	1,125(1,080)/50i	28.13	50.00	*	*	*
6	1,125(1,080)/24p	27.00	24.00	*	*	
10	1,125(1,080)/24sF	27.00	48.00	*	*	*
11	1,250(1,080)/50i	31.25	50.00	*	*	*
12	640×400@70 Hz	31.47	70.00		*	*
13	640×480@60 Hz	31.47	59.94		*	*
14	Macintosh13"(640 × 480)	35.00	66.67		*	*
15	640×480@75 Hz	37.50	75.00		*	*
16	852×480@60 Hz	31.50	60.00		*	*
17	800×600@60 Hz	37.88	60.32		*	*
18	800×600@75 Hz	46.88	75.00		*	*
19	800×600@85 Hz	53.67	85.06		*	*
20	Macintosh16"(832 × 624)	49.73	74.55		*	*
21	1,024×768@60 Hz	48.36	60.00		*	*
22	1,024×768@70 Hz	56.48	70.07		*	*
23	1,024×768@75 Hz	60.02	75.03		*	*
24	1,024×768@85 Hz	68.68	85.00		*	*
25	Macintosh21"(1,152×870)	68.68	75.06		*	
26	1,280 × 1,024@60 Hz	63.98	60.02		*	
27	1,280×1,024@75 Hz	79.98	75.03		*	
28	1,280×1,024@85 Hz	91.15	85.02		*	
29	1,600×1,200@60 Hz	75.00	60.00		*	
30	1,0660 × 600@60 Hz	37.88	60.32		*	*
31	1,366 × 768@60 Hz	48.36	60.00		*	*

2. Safety Precautions

2.1. General Guidelines

- 1. When servicing, observe the original lead dress. If a short circuit is found, replace all parts which have been overheated or damaged by the short circuit.
- 2. After servicing, see to it that all the protective devices such as insulation barriers, insulation papers shields are properly installed.
- 3. After servicing, make the following leakage current checks to prevent the customer from being exposed to shock hazards.

2.1.1. Leakage Current Cold Check

1. Unplug the AC cord and connect a jumper between the two prongs

on the plug.

2. Measure the resistance value, with an ohmmeter, between the jumpered AC plug and each exposed metallic cabinet part on the equipment such as screwheads, connectors, control shafts, etc. When the exposed metallic part has a return path to thechassis, the reading should be between 1M Ω and 5.2M Ω ./ When the exposed metal does not have a return path to the chassis, the reading must be.

Figure 1

Hot-Check Circuit
AC VOLTMETER

0.15μF

APPLIANCES
EXPOSED
WATER PIPE
METAL PARTS 1500Ω 10W

(EARTH GROUND)

2.1.2. Leakage Current Hot Check (See Figure 1.)

- 1. Plug the AC cord directly into the AC outlet. Do not use an isolation transformer for this check.
- 2. Connect a 1.5k Ω , 10 watts resistor, in parallel with a 0.15 μ F capacitors, between each exposed metallic part on the set and a good earth ground such as a water pipe, as shown in Figure 1.
- 3. Use an AC voltmeter, with 1000 ohms/volt or more sensitivity, to measure the potential across the resistor.
- 4. Check each exposed metallic part, and measure the voltage at each point.
- 5. Reverse the AC plug in the AC outlet and repeat each of the above measurements.
- 6. The potential at any point should not exceed 0.75 volts RMS. A leakage current tester (Simpson Model 229 or equivalent) may be used to make the hot checks, leakage current must not exceed 1/2 milliamp. In case a measurement is outside the limits specified, there is a possibility of a shock hazard, and the equipment should be repaired and rechecked before it is returned to the customer.

3. Prevention of Electro Static Discharge (ESD) to

Electrostatically Sensitive (ES) Devices

Some semiconductor (solid state) devices can be damaged easily by static electricity. Such components commonly are called Electrostatically Sensitive (ES) Devices. Examples of typical ES devices are integrated circuits and some field-effect transistors and semiconductor "chip" components. The following techniques should be used to help reduce the incidence of component damage caused by electro static discharge (ESD).

- 1. Immediately before handling any semiconductor component or semiconductor-equipped assembly, drain off any ESD on your body by touching a known earth ground. Alternatively, obtain and wear a commercially available discharging ESD wrist strap, whichshould be removed for potential shock reasons prior to applying power to the unit under test.
- 2. After removing an electrical assembly equipped with ES devices, place the assembly on a conductive surface such as alminum foil, to prevent electrostatic charge buildup or exposure of the assembly.
- 3. Use only a grounded-tip soldering iron to solder or unsolder ES devices.
- 4. Use only an anti-static solder removal device. Some solder removal devices not classified as "anti-static (ESD protected)" can generate electrical charge sufficient to damage ES devices.
- 5. Do not use freon-propelled chemicals. These can generate electrical charges sufficient to damage ES devices.
- 6. Do not remove a replacement ES device from its protective package until immediately before you are ready to install it. (Most replacement ES devices are packaged with leads electrically shorted together by conductive foam, alminum foil or comparableconductive material).
- 7. Immediately before removing the protective material from the leads of a replacement ES device, touch the protective material to the chassis or circuit assembly into which the device will be installed.

Caution

Be sure no power is applied to the chassis or circuit, and observe all other safety precautions. 8. Minimize bodily motions when handling unpackaged replacement ES devices. (Otherwise hamless motion such as the brushing together of your clothes fabric or the lifting of your foot from a carpeted floor can generate static electricity (ESD) sufficient todamage an ES device).

IMPORTANT SAFETY NOTICE

There are special components used in this equipment which are imporant for safety. These parts are marked by Δ in the schematic diagrams, Exploded Views and replacement parts list. It is essential that these critical parts should be replaced with manufacturer's specified parts to prevent shock, fire, or other hazards. Do not modify the original design without permission of manufacturer.

4. About lead free solder (PbF)

Note: Lead is listed as (Pb) in the periodic table of elements.

In the information below, Pb will refer to Lead solder, and PbF will refer to Lead Free Solder. The Lead Free Solder used in our manufacturing process and discussed below is (Sn+Ag+Cu). That is Tin (Sn), Silver (Ag) and Copper (Cu) although other types are available.

This model uses Pb Free solder in it's manufacture due to environmental conservation issues. For service and repair work, we'd suggest the use of Pb free solder as well, although Pb solder may be used.

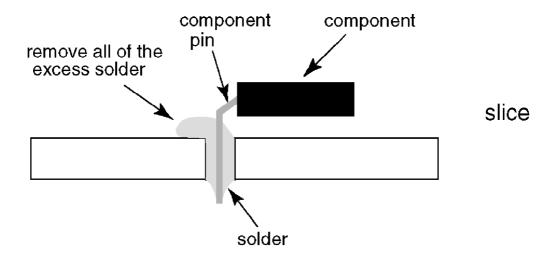
PCBs manufactured using lead free solder will have the PbF within a leaf Symbol



stamped on the back of PCB.

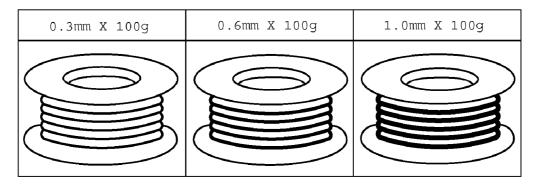
Caution

- Pb free solder has a higher melting point than standard solder. Typically the melting point is $50 \sim 70 \,^{\circ}\text{F}$ (30~40 °C) higher. Please use a high temperature soldering iron and set it to $700 \pm 20 \,^{\circ}\text{F}$ (370 $\pm 10 \,^{\circ}\text{C}$).
- Pb free solder will tend to splash when heated too high (about 1100 °F or 600 °C).
 - If you must use Pb solder, please completely remove all of the Pb free solder on the pins or solder area before applying Pb solder. If this is not practical, be sure to heat the Pb free solder until it melts, before applying Pb solder.
- After applying PbF solder to double layered boards, please check the component side for excess solder which may flow onto the opposite side. (see figure below)



Suggested Pb free solder

There are several kinds of Pb free solder available for purchase. This product uses Sn+Ag+Cu (tin, silver, copper) solder. However, Sn+Cu (tin, copper), Sn+Zn+Bi (tin, zinc, bismuth) solder can also beused.

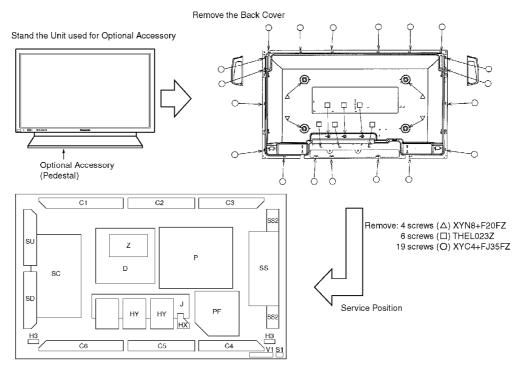


5. PCB Structure sheet of GPH6D2 chassis

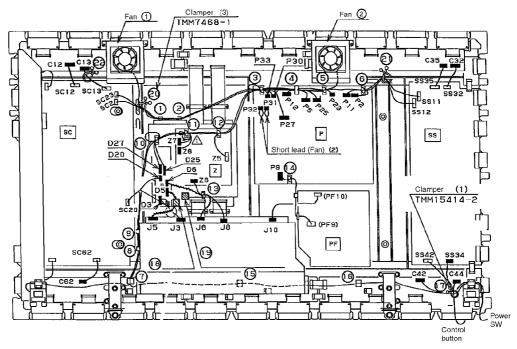
Board Name	Function	Remarks
D	Digital Signal Processor 1	
J	Slot Interface & SYNC processor	1
Z	Audio out, DC-DC converter	
SS	Sustain Out	1
SC	Scan out	1
SU	Sustain connection (Upper)	1
SD	Sustain connection (Lower)	1
C1	Data Drive (Upper Right)	
C2	Data Drive (Upper Center)	
С3	Data Drive (Lower Left)	
C4	Data Drive (Lower Left)	
C5	Data Drive (Lower Center)	
C6	Data Drive (Lower Right)	
Н3	Speaker terminal	
S1	Power switch	
SS2	Sustain connection (Upper)	
SS3	Sustain connection (Lower)	
V1	Front SW. & Remote receiver	
PF	Line filter	
Р	Power supply	1
нх	PC_type_Input terminal	
НҮ	BNC Composite/Component Video	2
HZ	BNC Component Video	3

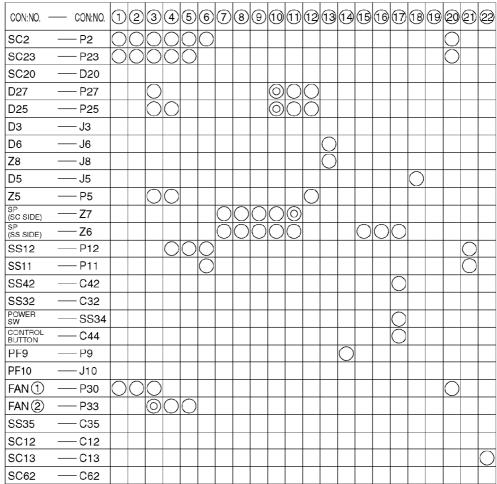
Remarks

- 1. Recommend PCB's for initial service for GPH6D2 chassis.
- 2. For System model except BX, EX version
- 3. For Consumer model except BX, EX version
- 6. Service Hint



7. Location of Lead Wiring





Wind up second times.

Connector Connection: P2, P5, P9, P11, P12, P23, P25, P27, P30, P31, P32, P33 Z6, Z7, Z8,

D3. D5. D6. D20. D25. D27

D3, D5, D6, D20, D25, D27 J3, J5, J6, J8, J10, SS34, C12, C13, C32, C35, C42, C44, C62

8. Adjustment Procedure

8.1. Driver Set-up

8.1.1. Item / Preparation

1. Input an APL 100 % white signal.

2. Set the picture controls: -

Picture mode: Normal White balance: Cool

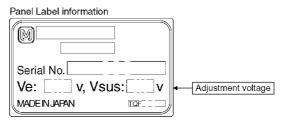
Aspect: 16:9

8.1.2. Adjustments

Adjust driver section voltages referring the panel data on the panel data label.

Name	Test Point	Voltage	Volume	Remarks
Vsus	TPVSUS (SS)	173V ± 2V	VR641 (P)	
Vset	TPVSET (SC)	220V ± 5V		
Vbk	TPVBK (SC)	140V ± 1V	R6670 (SC)	
Vad	TPVAD (SC)	-85V ± 1V	R6477 (SC)	
Vscn	TPVSCN (SC)	Vad*+118V ± 2V		
Ve	TPVE (SS)	150V ± 1V	R6770 (SS)	
Vda	TPVDA (SS)	75V ± 1V	VR665 (P)	

^{*}See the Panel label.



8.2. Initialization Pulse Adjust

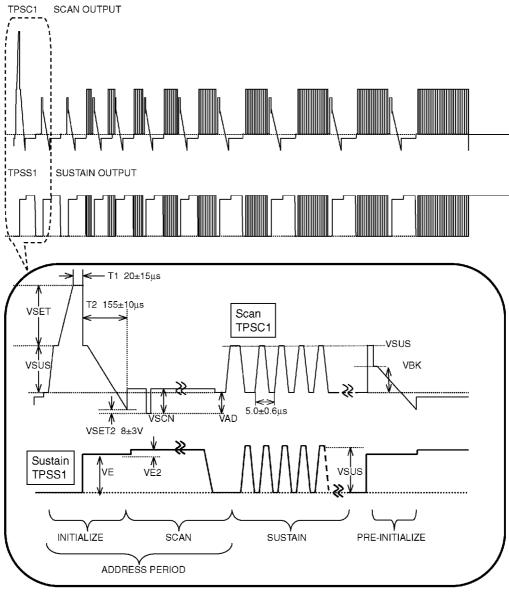
1. Input a Cross hatch signal.

2. Set the picture controls: -

Picture mode: Normal White balance: Cool

Adjust the indicated test point for the specified wave form.

	Test point	Volume	Level
T1	TPSC1 (SC)		20 ± 15 μ Sec
T2	TPSS1 (SS)	R6557 (SC)	155 ± 10 µ Sec



8.3. P.C.B. (Printed Circuit Board) exchange

8.3.1. Caution

1. To remove P.C.B., wait 1 minute after power was off for discharge

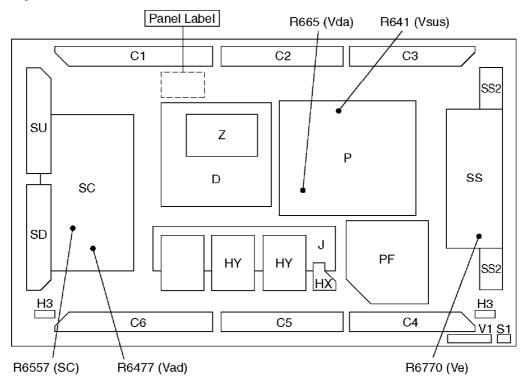
from electrolysis capacitors.

8.3.2. Quick adjustment after P.C.B. exchange

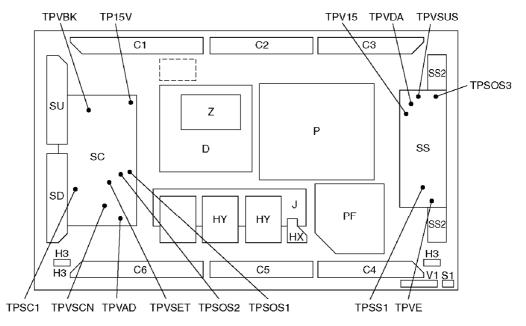
P.C.B.	Name	Test Point	Voltage	Volume	Remarks
P Board	Vsus	TPVSUS (SS)	173V ± 2V	R641 (P)	
	Vda	TPVDA (SS)	75V ± 1V	R665 (P)	
SC Board	Vad	TPVAD (SC)	85V ± 1V	R6477 (SC)	
	Vset	TPVSET (SC)	220V ± 5V		
	Vscn	TPVSCN (SC)	Vad + 118 ± 2V		
	Vbk	TPVBK (SC)	140 ± 1V	R6670 (SC)	
SS Board	Ve	TPVE (SS)	150V ± 1V	R6770 (SS)	
D, J Board	White blance, Pedestal and Sub brightness for NTSC, PAL, HD, PC and 625i signal				

^{*}See the Panel label.

8.4. Adjustment Volume Location



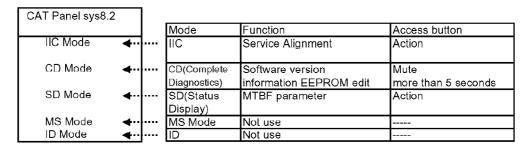
8.5. Test Point Location



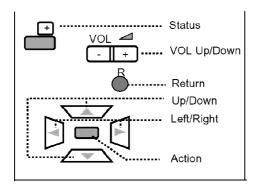
9. Service mode

9.1. CAT (computer Aided Test) mode

CAT mode menu



Remote control



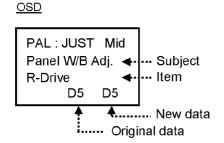
How to access the CAT mode.

Press and the hold the Volume down / - buton on the front panel of the unit and press the status button on the remote control 3 times quickly within 1 second, this will place the unit into the CAT mode.

To exit the CAT mode, access the ID mode and switch off the main power.

9.1.1. IIC mode

Select the IIC mode by Up/Down button on the remote control at the front page of CAT mode then press the Action button on the remote control.



How to use the IIC mode.

- 1. Select the alignment **Subject** by **Up/Down buttons** on the remote control.
- 2 .Select the alignment **Item** by **Left/Right buttons** on the remote control.
- 3. Adjust optimum setting by Volume Up/Down buttons on the remote control.
- 4. The **data is memorized** when press the **R button** on the remote control or change the alignment Subject (or Items).

Subject and item are mentioned on page 14.

To exit the IIC mode, press the R button on the remote control.

9.1.2. CD mode

Select the CD mode by Up/Down button on the remote control at the front page of CAT mode then press the Mute button on the remote control more than 5 sec.

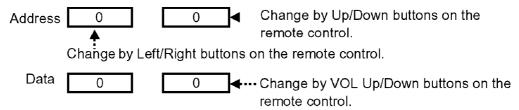
OSD MiCom Software version. 0.11 OK ----- Factory use Memory data version D 0.111 8 63 Memory data version H 21.05 78 3F Memory data change Address 0 0 Data New data 0 0 • Original data

Micom software version (IC9705), this version can be upgrade by

1. replace of new version IC

2. Loading the new version software from loader tool, TZSC07036.

Memory data change

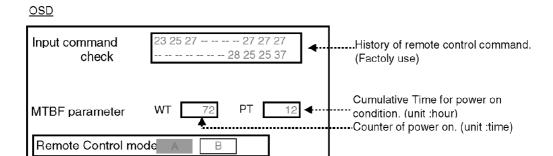


The data is memorized when switch off the main power.

To exit the CD mode, press the R button on the remote control.

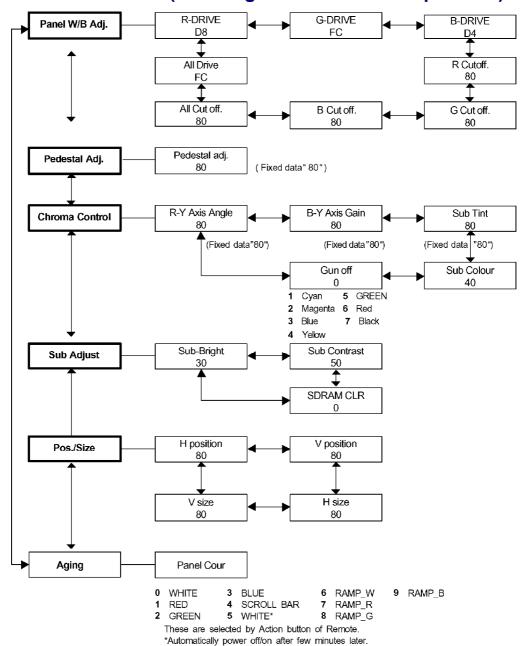
9.1.3. SD mode

Select the SD mode by Up/Down button on the remote control at the front page of CAT mode then press the Action button on the remote control.



To exit the SD mode, press the R button on the remote control.

9.2. IIC mode structure (following items value is sample data.)



10. Alignment

10.1. Pedestal setting (C)

Note:

OSD is the difference between UY model and Except UY model. / Picture: Normal (Except UY)/ Standard (UY model) / White balance (Except UY)/Color Temp (UY model)

10.2. Pedestal setting (B)

Note:

OSD is the difference between UY model and Except UY model. / Picture: Normal (Except UY)/ Standard (UY model) / White balance (Except UY)/Color Temp (UY model)

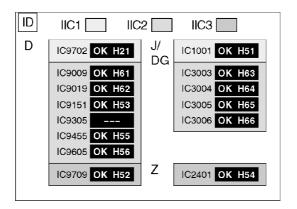
- 10.3. NTSC panel white balance
- 10.4. PAL / SECAM panel white balance
- 10.5. PC / RGB panel white balance
- 10.6. HD / 525i / 525p / 625l / 625P panel white balance

11. Trouble shooting guide

11.1. Self Check

- 1. Self-check is used to automatically check the bus line controlled circuit of the Plasma display.
- 2. To get into the Self-check mode, press the volume down button on the customer controls at the front of the set, at the same time pressing the OFF-TIMER button on the remote control, and the screen will show:-

If the CCU ports have been checked and found to be incorrect Or not located then " - - " will appear in place of " OK "



11.2. No Power

11.2.1. Power LED Blinking timing chart

1. Subject Information of LED Flashing timing chart.

2. Contents

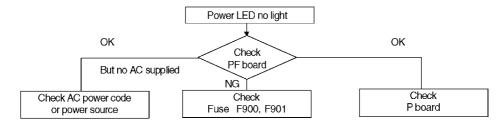
When an abnormality has occurred the unit, the protection circuit operates and reset to the stand by mode. At this time, the defective block can be identified by the number of blinkes of the Power LED on the front panel of the unit.

Blinking times	Blinking timing	Contents & Check point
2		Data Driver
3		3.3V SOS
4		5V SOS
5		Power SOS
6		FAN
7		SCAN Driver
9		SUS Driver

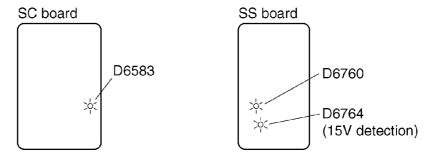
3. Remarks

Above Fan function is operated during the fans are installed.

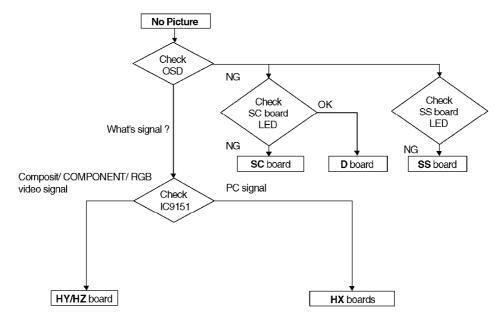
11.2.2. Power LED no light



Drive circuits LED indicator



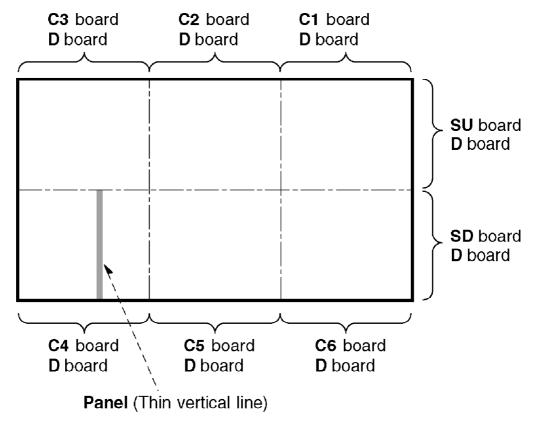
11.3. No Picture



11.4. Local screen failure

Plasma display may have local area failure on the screen. Fig - 1 is the possible defect P.C.B. for each local area.

Fig - 1



<Local screen failure chart>

12. Option Setting

12.1. How to access and setting

12.2. Contents of Option Menu

This chassis series have special function and operation setting facility called Option Menu. This Option Menu is useful for special function required customers. This should be set at the installation stage. The end user could not set or change these becauseof hidden On screen menu.

Option menus	default setting	Contents
Off-timer function	Enable	Off-timer operation Enable/Disable.
On Screen display	On	Enable/Disable to display input mode indication aft power on and no signal indication.
Initial Input	Off	Sets the initial input mode when the power is turne Allow input mode selection while power is on.
Initial VOL. level	Off	Sets the initial volume level when the power is turn Allow Volume control while power is on.
Maximum VOL. Level	Off	Sets the maximum volume to desired level. Volume exceed this level.
INPUT lock	Off	Fixes the input mode to AV, Component/RGB or PC not change input mode by input selection key.
Button lock	Off	Enable/Disable front operation buttons (Input and/ovolume up/down)
Studio W/B	Off	Set warm mode color temperature to 3,200 Kelvin.
Remocon User Level	Off	Remote key invalidation.
		Off: Valid key is all key of remote.
		User1: Valid key are only Stand-by (ON/OFF), Inpu Status, Surround, Sound mute On/Off, and volume adjustment.
		User2: Valid key is only Stand-by (ON/OFF).
		User3 : All keys are null and void
ID Select	0 to 100	Set ID number from 001 to 100.
Remote ID	Off	Remote ID function On/Off.
		(While the Remote ID on, standard remote function control the unit.)
Serial	Off	Serial ID function On/Off
Slot power	Off	Sets the slot power mode the power is turned on. Allow Optional Terminal Board insert Slots while pon.

Note:

How to set Remocon User Level and Remote ID off

- 1. Access service mode (CAT-mode) and press SET UP key on remote.
- 2. Accsess option menu.
- 3. Change Remocon User Level and/ or Remote ID set to Off.

13. Conductor Views

13.1. PF-Board

- 13.2. P-Board
- 13.3. HX-Board
- 13.4. HY-Board
- 13.5. J-Board
- 13.6. **D-Board**
- 13.7. C1-Board
- 13.8. C2-Board
- 13.9. C3-Board
- 13.10. C4-Board
- 13.11. C5-Board
- 13.12. C6-Board
- 13.13. SC-Board
- 13.14. SU-Board
- 13.15. SD-Board
- 13.16. SS, SS2 and SS3-Board
- 13.17. **Z-Board**
- 13.18. V1, S1 and H3-Board

14. Schematic Diagrams

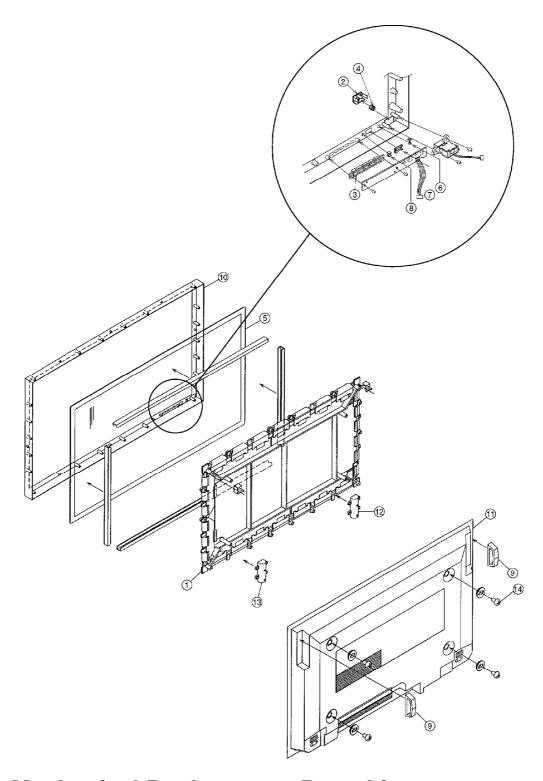
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- 14.32. D-Board (9 of 15) Schematic Diagram
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- 14.43. C2-Board Schematic Diagram
- 14.44. C3-Board (1 of 2) Schematic Diagram
- 14.45. C3-Board (2 of 2) Schematic Diagram
- 14.46. C4-Board (1 of 2) and V1-Board Schematic Diagram
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- 14.50. C6-Board (2 of 2) Schematic Diagram
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- 14.52. SC-Board (1 of 3) Schematic Diagram
- 14.53. SC-Board (2 of 3) Schematic Diagram
- 14.54. SC-Board (3 of 3) Schematic Diagram
- 14.55. SU-Board Block Diagram
- 14.56. SU-Board (1 of 2) Schematic Diagram

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- 14.61. SS, S1, SS2 and SS3-Board Block Diagram
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- 14.63. SS-Board (2 of 2), SS2 and SS3-Board Schematic Diagram
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- 14.65. Z-Board (1 of 2) and H3-Board Schematic Diagram
- 14.66. Z-Board (2 of 2) Schematic Diagram

15. Parts Location



16. Mechanical Replacement Parts List

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
	EUR646529	REMOTE CONTROL	1	TH-50PHD6BX/EX/UY
	EUR646530	REMOTE CONTROL	1	TH-50PHW6BX/EX
	FBL08A12LS	FAN	3	
	J0KD00000049	FLAT CORE	4	+
	J0KF00000018	FILTER	1	
	J0KG00000042	NOISE FILTER	2	
	J0KG0000054	NOISE FILTER	2	
	K1KA02A00104	2P CONNECTOR	1	
	K1KA03A00172	3P CONNECTOR	4	
	K1KA03A00213	3P CONNECTOR	1	
	K1KA04A00242	4P CONNECTOR	1	
	K1KA06A00180	6P CONNECTOR	1	
	K1KA07A00096	7P CONNECTOR	1	
	K1KA09A00099	9P CONNECTOR	1	
		10P CONNECTOR	1	
	K1KA10A00259			
	K1KA11A00073	11P CONNECTOR	1	<u>a</u>
	K2AH3H000027	AC INLET	1	Δ
	K2CG3DH00025	AC CORD	1	TH-50PHD6UY
	K2CN3DH00004	AC CORD	1	TH-50PHW6EX,TH-50PHD6EX
	K2CT3DH00017	AC CORD	1	TH-50PHW6BX,TH-50PHD6BX
	MD50H06A1J	PLASMA DISPLAY PANEL	1	<u>A</u>
	R6PPTT/2ST	BATTERY	1	
	TBMA008	PANASONIC BADGE	1	TH-50PHD6BX/EX/UY
	TBMA118	PANASONIC BADGE	1	TH-50PHW6BX/EX
	TBXA28202A	POWER BUTTON	1	TH-50PHD6BX/EX/UY
	TBXA28214	POWER BUTTON	1	TH-50PHW6BX/EX
	TBXA38901	HINDGE BUTTON	1	TH-50PHW6BX/EX
	TBXA38902	HINDGE BUTTON	1	TH-50PHD6BX/EX/UY
	TESD031	SPRING	1	
	THEA068N	SCREW	4	
	THEL023Z	SCREW	14	
	THEL027N	SCREW	26	
	THEL035N	SCREW	100	
	THTD010N	SCREW	6	
	THTD011	SCREW	3	
	THTF003Y	SCREW	41	
	TJS1A8840	8P CONNECTOR	1	
	100110010			The state of the s
	TKGA5125	FRONT GLASS	1	
		FRONT GLASS LED PANEL	1 1	
	TKGA5125			
	TKGA5125 TKKC5105 TKKL5266	LED PANEL COVER	1	
	TKGA5125 TKKC5105	LED PANEL	1	TH-50PHD6BX/EX/UY TH-50PHW6BX/EX

<u> </u>			•	1
Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
9	TKRA20501	HANDLE	2	
	TMKG252	CUSHION	2	
	TMKG253	CUSHION	2	
	TMM15414-2	CLAMPER	1	
	TMM17499	CLAMPER	1	
	TMM23416	SPACER	12	
	TMM23417	CLAMPER	1	
	TMM25401	CLAMPER	4	
	TMM7464-2	CLAMPER	2	
	TMM7468-1	CLAMPER	3	
	TMME047	CLAMPER	4	
	TMME061	CLAMPER	4	
	TMME075	EADG SADOLE	1	
	TMME152	CLAMPER	1	
	TMME185	CLAMPER	2	
	TMME187	CLAMPER	2	
	TMME190	CLAMPER	1	
	TMME225	AC CORD CLAMPER	1	
	TMME228	CLAMPER	2	
	TMMJ074	CUSHION (RUBBER)	6	
	TMMJ082	CUSHION (RUBBER)	8	
	TMMX067	CAP	4	
	TMMX095	BRACKET	2	
	TMWC006-1	POWER BUTTOM BRACKET	1	
	TMXX021-1	CORE HOLDER	4	
	TPCA97185	CARTON BOX	1	TH-50PHD6EX A
	TPCA97186	CARTON BOX	1	TH-50PHD6BX ⚠
	TPCA97192	CARTON BOX	1	TH-50PHW6EX
	TPCA97193	CARTON BOX	1	тн-50РНW6ВХ
	TPCA97201A	CARTON BOX(BOTTOM)	1	
	TPCB45601	CARTON BOX	1	TH-50PHD6UY
	TPCB48801	CARTON BOX	1	TH-50PHD6UY
	TPD169487	JOINT	8	
	TPDA0675	CUSHION(UPPER LEFT/RIGHT)	1	TH-50PHD6UY
	TPDA0676	CUSHION(CENTER)	1	TH-50PHD6UY
	TPDA0794	CUSHION(BOTTOM LEFT/RIGHT)	1	TH-50PHD6UY
	TPDA0806	CUSHION(UPPER/LEFT)	1	
	TPDA0807	CUSHION(BOTTOM/ LEFT)	1	
	TPDF0536	PAD(TOP)	1	
	TPDF0737	PAPER BOX	1	
	TPDF0906	PAD(TOP)	1	TH-50PHD6UY
	TPEH170	PROTECT COVER	1	
	TPGA2160	CARTON BOX	1	TH-50PHD6UY
	TPGA2170	CARTON BOX(BOTTOM)	1	TH-50PHD6UY
	TQBC0570	INSTRUCTION BOOK(ENGLISH)	1	TH-50PHD6UY
	TQBC0571	INSTRUCTION BOOK(FRENCH)	1	TH-50PHD6UY
	TQBC0572	INSTRUCTION BOOK(SPANISH)	1	TH-50PHD6UY
	TQBC0573	INSTRUCTION BOOK(ENGLISH	1	TH-50PHW6EX 🗥
	TQBC0574	INSTRUCTION BOOK(GARMEN)	1	TH-50PHW6EX 🛆

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
	TQBC0575	INSTRUCTION BOOK(FRENCH)	1	TH-50PHW6EX 🗥
	TQBC0576	INSTRUCTION BOOK(ITALIAN)	1	TH-50PHW6EX A
	TQBC0577	INSTRUCTION BOOK(SPANISH)	1	TH-50PHW6EX A
	TQBC0578	INSTRUCTION BOOK(DUTCH)	1	
	TQBC0579	INSTRUCTION BOOK(DANISH)	1	TH-50PHW6EX A
		` ,		TH-50PHW6EX
	TQBC0580	INSTRUCTION BOOK(SWEDISH)	1	TH-50PHW6EX 🗥
	TQBC0581	INSTRUCTION BOOK(ENGLISH)	1	тн-50РНW6ВХ
	TQBC0598	INSTRUCTION BOOK(ENGLISH)	1	TH-50PHD6EX 🗥
	TQBC0599	INSTRUCTION BOOK(GARMEN)	1	TH-50PHD6EX A
	TQBC0600	INSTRUCTION BOOK(FRENCH)	1	TH-50PHD6EX 🕭
	TQBC0601	INSTRUCTION BOOK(ITALIAN)	1	TH-50PHD6EX 🗥
	TQBC0602	INSTRUCTION BOOK(SPANISH)	1	TH-50PHD6EX A
	TQBC0603	INSTRUCTION BOOK(DUTCH)	1	TH-50PHD6EX
	TQBC0604	INSTRUCTION BOOK(DANISH)	1	TH-50PHD6EX A
	TQBC0605	INSTRUCTION BOOK(SWEDISH)	1	
	TQBC0606	INSTRUCTION BOOK(ENGLISH)	1	TH-50PHD6EX A
				TH-50PHD6BX
	TSXL139	CABLE (D-C1)	8	
	TSXL212	` '	2	
	TSXL222	CABLE (C-C)	4	
	TSXL223	CABLE	4	
	TSXL287	CABLE	8	
	TSXL290	CABLE (D-C4)	2	
<u>10</u>	TTEA0140	ESCUTCHEON	1	TH-50PHD6BX/EX/UY
10	TTEA0141	ESCUTCHEON	1	TH-50PHW6BX/EX 🗥
<u>11</u>	TTUA0735	REAR COVER	1	TH-50PHD6BX/EX
11	TTUA0739	REAR COVER	1	TH-50PHD6UY
11	TTUA0740	REAR COVER	1	TH-50PHW6BX/EX
12	TXFMZ010MHS	STAND BRACKET(LEFT)	1	
<u>13</u>	TXFMZ020MHS	STAND BRACKET(RIGTH)	1	
	TXJSPL0QMS	SPEAKER LEAD(LEFT)	1	
	TXJSPR0QMS	SPEAKER LEAD(RIGHT)	1	
	XTB4+10A	SCREW	23	
	XTBT964	SCREW	2	
	XTS3+10J	SCREW	1	
	XTV3+10J	SCREW	7	
	XTV3+6J	SCREW	2	
	XTW3+8T	SCREW	3	
	XVG3+J10	SCREW	18	
	XVG3+J12	SCREW	1	
	XYC3+FF8	SCREW	4	
	XYC4+FJ35FZ	SCREW	19	
	XYN3+F10	SCREW	7	
	XYN3+F10FZ	SCREW	10	
	XYN3+F8	SCREW	6	
	XYN4+E8	SCREW	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
	XYN5+C20	SCREW	8	
14	XYN8+F20FZ	SCREW	4	
	XZBT6506	POLY BAG	1	

17. Replacement Parts List

17.1. Relpacement Parts List Notes

Important Safety Notice

Components identified by <u>Mark have special characteristics important</u> for safety. When replacing any of these components, use only manufacturer's specified parts.

RTL (Retention Time Limited)

Note: The marking (RTL) indicates that the Retention Time is Limited for this item.

After the discontinuation of this assembly in production, the item will continue to be available for a specific period of time. The retention period of availability is dependant on the type of assembly, and in accordance with the laws governing part and product retention.

After the end of this period, the assembly will no longer be available.

Abbreviation of part name and description

1. Resistor2. CapacitorExample:Example:

ERD25TJ104 <u>C</u> 100KOHM, <u>J</u>, 1/4W ECKF1H103ZF <u>C</u> 0.01UF, <u>Z</u>, 50V

Type Allowance Type Allowance

Туре	Allowance
C: Carbon F: Fuse M: Metal Oxide Metal FIIm S: Solid W: Wire Wound	F:±1% G:±2% J:±5% K:±10% M:±20%

Туре	Allowance
C : Ceramic E : Electrolytic P : Polyester Polyprop lene T : Tantalum	C: ±0.25pF D: ±0.5pF F: ±1pF G: ±3pF J: ±5pF K: ±10pF L: ±15pF M: ±20pF P: +100%, -0% Z: +80%, -20%

17.2. Electrical Replacement List

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
C10	K1MN80B00002	CONNECTOR	1	
	+			
C11	K1MN20B00043	20P CONNECTOR	1	
C12	K1KA06A00183	6P CONNECTOR	1	
C13	K1KA08A00293	8P CONNECTOR	1	
C20,21	K1MN80B00002	CONNECTOR	2	
C22,23	K1MN20B00043	20P CONNECTOR	2	
C24,25	K1MN80B00002	CONNECTOR	2	
C31	K1MN80B00002	CONNECTOR	1	
C32	K1KA20A00180	20P CONNECTOR	1	
C33	K1MN20B00043	20P CONNECTOR	1	
C35	K1KA08A00293	8P CONNECTOR	1	
C41	K1MN80B00002	CONNECTOR	1	
C42	K1KA08A00293	8P CONNECTOR	1	
C43	K1MN20B00043	20P CONNECTOR	1	
C44	K1KA08A00232	8P CONNECTOR	1	
C50,51	K1MN80B00002	CONNECTOR	2	
C52,53	K1MN20B00043	20P CONNECTOR	2	
C54,55	K1MN80B00002	CONNECTOR	2	
C60	K1MN80B00002	CONNECTOR	1	
C61	K1MN20B00043	20P CONNECTOR	1	
C62	K1KA06A00183	6P CONNECTOR	1	
C401	F0CAF105A021	C 1UF, 250V	1	
C402	ECJ2XC1H391J	C 390PF, J, 50V	1	
C403	ECKCNA222MEB		1	
	+	C 2200PF, M		
C404	F0CAF105A021	C 1UF, 250V	1	
C407	EEUEB2W220B	E 22UF, 450V	1	
C408	F2A1H470A123	E 47UF, 50V	1	
C409	F0CAF105A021	C 1UF, 250V	1 1	
C410	F2A1H470A123	E 47UF, 50V	1	
C411	F2A1H100A123	E 10UF, 50V	1	
C412	ECJ2XB1H103K	C 0.01UF, K, 50V	1	
C413	F1J1C1050011	C 1UF, Z, 50V	1	
C416	F1J1V474A001	C 0.47UF, 35V	1	
C417	F2A1H100A123	E 10UF, 50V	1	
C419	ECJ2XB1H104K	C 0.1UF, K, 50V	1	
C421,22	ECJ2XB1H103K	C 0.01UF, K, 50V	2	
C423	ECJ2XB1H472K	C 4700PF, K, 50V	1	
C424,25	ECJ3YB1E105K	C 1UF, K, 25V	2	
C426	ECJ2XC1H471J	C 470PF, J, 50V	1	
C427	F1J1A1050002	C 1UF, Z, 50V	1	
C428	ECJ2XC1H221J	C 220PF, J, 50V	1	
C429,30	F1K2J1530002	C 0.15PF, J,630V	2	
C431	ECJ2XB1H102K	C 1000PF, K, 50V	1	
C432	F1J1C1050011	C 1UF, Z, 50V	1	
C436	F1J1C1050011	C 1UF, Z, 50V	1	
C440	F2A1H100A123	E 10UF, 50V	1	
C443,44	F1A3A102A040	C 1000PF, J, 1KV	2	
C445	F1J1C1050011	C 1000FF, 3, 1KV	1	
			1	
C446	F2B2W4710005	C 470UF, 450V		
C448	F2B2W4710005	C 470UF, 450V	1	
C449,50	F1A3A102A040	C 1000PF, J, 1KV	2	
C451	F1A3A101A040	C 100PF, J, 1KV	1	
C455	F1A3A221A040	E 220UF, 1KV	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
C457	ECWH8203RHV	P 0.020PF, J, 8KV	1	Romano
C458	ECWH8683RHV	P 0.068PF, J, 8KV	1	
C459	F1K2J1530002	C 0.15PF, J,630V	1	
C460,61	F1A3A331A039	E 330UF, 1KV	2	
C462	ECJ3YB1E105K	C 1UF, K, 25V	1	
C463	ECJ2XC1H220J	C 22UF, J, 50V	1	
C464	ECJ2XB1H104K	C 0.1UF, K, 50V	1	
C465	ECKCNA221KB7	C 220PF, M,	1	
C501,02	ECJ2XB1H103K	C 0.01UF, K, 50V	2	
C503,04	ECJ2XB1H104K	C 0.1UF, K, 50V	2	
C506-08	ECJ2XB1H103K	C 0.01UF, K, 50V	3	
C509	F2A1E101A097	E 100UF 25V	1	
C511	F1J1C1050011	C 1UF, Z, 50V	1	
C513,14	ECJ2XC1H471J	C 470PF, J, 50V	2	
C515,14	EEUFC1A102	E 1000UF, 10V	1	
			1	
C516	F1J1A1050002	C 1UF, Z, 50V		
C517	EEUFC1A221	E 220UF, 10V	1	
C518	F2A1E470A097	E 47UF, 25V	1	
C521	F2A1H100A123	E 10UF, 50V	1	
C522	ECJ2XB1H103K	C 0.01UF, K, 50V	1	
C523	F2A1E101A097	E 100UF 25V	1	
C524	EEUEB1H220SB	E 22UF, 50V	1	
C525	ECJ2XB1H103K	C 0.01UF, K, 50V	1	
C526	ECJ2XB1H104K	C 0.1UF, K, 50V	1	
C527	ECJ2XB1H102K	C 1000PF, K, 50V	1	
C528	ECJ2XB1H104K	C 0.1UF, K, 50V	1	
C529	F2A1E101A097	E 100UF 25V	1	
C530	ECJ2VB1H333K	C 0.033UF, K, 50V	1	
C531,32	ECJ2XB1H104K	C 0.1UF, K, 50V	2	
C534	ECJ2XC1H681J	C 680PF, J, 50V	1	
C535	ECJ2XB1H103K	C 0.01UF, K, 50V	1	
C536	ECJ2XB1H104K	C 0.1UF, K, 50V	1	
C537	ECJ2XB1H102K	C 1000PF, K, 50V	1	
C538	ECJ2XB1H103K	C 0.01UF, K, 50V	1	
C539	ECJ2VB1H333K	C 0.033UF, K, 50V	1	
C540	ECJ2XC1H152J	C 1500PF, J, 50V	1	
C541	F1J1C1050011	C 1UF, Z, 50V	1	
C544	F1J1C1050011	C 1UF, Z, 50V	1	
C546	F2A1E101A097	E 100UF 25V	1	
C547	ECJ2VB1H333K	C 0.033UF, K, 50V	1	
C549	F1J2E1030004	C 0.1PF, J,250V	1	
C550	F2A1E681A099	E 680UF, 25V	1	
C552	F1J1C1050011	C 1UF, Z, 50V	1	
C553,54	ECJ2XB1H104K	C 0.1UF, K, 50V	2	
C556	F2A1C152A126	E 1500UF, 16V	1	
C557	F2A1E681A099	E 680UF, 25V	1	
C558	F2B2D2220003	E 2200UF,@ 200V	1	
C559	ECJ2XB1H104K	C 0.1UF, K, 50V	1	
C560	ECA2AHG102	E 1000UF, 100V	1	
C561	ECJ2XB1H103K	C 0.01UF, K, 50V	1	
C562	F2B2D2220003	E 2200UF,@ 200V	1	
C565	F2A1E471A097	E 470UF, 25V	1	
C573	F1J1C1050011	C 1UF, Z, 50V	1	
C574	EEUFC0J122	E 1200UF, 6.3V	1	
	1	<u> </u>		

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
C576	F2A1E470A097	E 47UF, 25V	1	Romano
C577	F2A2A330A022	E 33UF, 100V	1	
C578	F2A1E470A097	E 47UF, 25V	1	
C579	ECJ2XB1H223K	C 0.022UF, K, 50V	1	
C580	ECJ2XB1H103K	C 0.01UF, K, 50V	1	
C581	ECJ2XB1H223K	C 0.022UF, K, 50V	1	
C583	ECJ2XB1H103K	C 0.01UF, K, 50V	1	
C585,86	ECJ2XB1H104K	C 0.1UF, K, 50V	2	
C587	ECJ2XB1H103K	C 0.01UF, K, 50V	1	
C598	F2A1E470A097	E 47UF, 25V	1	
C599	ECJ2XB1H104K	C 0.1UF, K, 50V	1	
C600,01	ECJ2XB1H103K	C 0.01UF, K, 50V	2	
C602	ECJ2XB1H102K	C 1000PF, K, 50V	1	
C603,04	ECJ2XB1H104K	C 0.1UF, K, 50V	2	
C605	ECJ2XB1H103K	C 0.01UF, K, 50V	1	
C606	ECJ2XB1H102K	C 1000PF, K, 50V	1	
C607	F1J1C1050011	C 1UF, Z, 50V	1	
C608,09	ECJ2XB1H103K		2	
C802	EEUFC1E471	C 0.01UF, K, 50V	1	
		E 470UF, 25V	1	
C803	EEUFC1E331	E 330UF, 25V	1	
C805	EEUFC1C102	E 1000UF, 16V E 1000UF, 10V	1	
	EEUFC1A102	,		
C807	ECJ2VF1H104Z	C 0.1UF, Z, 50V	1	
C808,09	ECQB1H103JF	P 0.01UF, J, 50V	2	
C810	EEUFC1E561	E 560UF, 25V	1	
C811	ECQB1H103JF	P 0.01UF, J, 50V	1	
C812	ECQB1H104JF	P 0.1UF, J, 50V	1	
C813	ECQB1H473JF	P 0.047UF, J, 50V	1	
C814	EEUFC0J152	E 1500UF, 6.3V	1	
C815	ECQB1H104JF	P 0.1UF, J, 50V	1	
C816	ECQB1H682JF3	P 6800PF, J, 50V	1	
C901	ECQU2A105BN9	P 1UF, 250V	1	Δ
C904,05	ECKDNA471KB7	C 470PF, Z,	2	Δ
C906,07	ECQU2A224BN9	P 0.22UF, 250V	2	<u>A</u>
C908-11	ECKCNA221KB7	C 220PF, M,	4	A
C912	ECQU2A105MGA	P 1UF, 250V	1	⚠
C913	EETHC2W101J	C 4700PF, Z,450V	1	
C914	ECQE6223KF	P 0.022UF, K,400V	1	
C915	ECA1HHG100	E 10UF, 50V	1	
C916	ECA1VHG470	E 47UF, 35V	1	
C917	ECQV1H104JM	P 0.1UF, J, 50V	1	
C918	ECA1HHG330	E 33UF, 50V	1	
C919	ECKD3D102KBP	C 1000PF, K, 2KV	1	
C920	ECKCNA221KB7	C 220PF, M,	1	Δ
C921	ECKD3A221KBP	C 220PF, K, 1KV	1	
C922	EEUFC1E272	E 2700UF, 25V	1	
C923	EEUFC1E152	E 1500UF, 25V	1	
C924	ECA1HHG010	E 1UF, 50V	1	
C925	ECA1HHG100	E 10UF, 50V	1	
C951	EEVHB1C470	E 47UF, 16V	1	
C952	ECJ1VF1H103Z	C 0.01UF, Z, 50V	1	
C953-58	EEVHB1C470	E 47UF, 16V	6	
	1	<u> </u>		

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
C959,60	ECJ1XF1C104Z	C 0.1UF, Z, 16V	2	
C961	ECJ1VF1H103Z	C 0.01UF, Z, 50V	1	
C962-64	ECJ1XF1C104Z	C 0.1UF, Z, 16V	3	
C965	ECJ2VF1H103Z	C 0.01UF, Z, 50V	1	
C966	EEVHB1C470	E 47UF, 16V	1	
C967,68	ECJ1VF1H103Z	C 0.01UF, Z, 50V	2	
C969	EEVHB1C470	E 47UF, 16V	1	
C970	ECJ1VF1H103Z	C 0.01UF, Z, 50V	1	
C971	EEVHB1C470	E 47UF, 16V	1	
C972	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	
C1001,02	ECJ1XC1H150J	C 15PF, J, 50V	2	
C1003	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	
C1004	EECS5R5H155	E 1.5UF, 5.5V	1	
C1530	ECJ3XB0J106M	C 10UF, M,6.3V	1	
C2312	ECJ2VF1H103Z	C 0.01UF, Z, 50V	1	
C2313	ECA1HHG470	E 47UF, 50V	1	
C2314	ECA1EHG470	E 47UF, 25V	1	
C2350,51	TCUY1C225KBM	C 2.2UF, 16V	2	
C2352,53	ECA1HHG100	E 10UF, 50V	2	
C2354,55	ECA1VM470	E 47UF, 35V	2	
C2356,57	ECJ2XB1H102K	· '	2	
C2358,59	ECA1HM2R2	C 1000PF, K, 50V	2	
•	ECJ2XC1H102J	E 2.2UF, 50V	2	
22360,61		C 1000PF, J, 50V	2	
C2362,63	ECA1EM471	E 470UF, 25V		
C2364,65	ECQV1H104JM	P 0.1UF, J, 50V	2	
C2366,67	ECQV1H225JM	P 2.2UF, J, 50V	2	
C2368,69	ECQV1H104JM	P 0.1UF, J, 50V	2	
C2370	ECA1VM470	E 47UF, 35V	1	
C2417	ECJ3XF1C475Z	C 4.7UF, Z, 16V	1	
C2419	ECA1HHG100	E 10UF, 50V	1	
C2422	ECJ3XF1C475Z	C 4.7UF, Z, 16V	1	
C2423	ECJ2XB1H103K	C 0.01UF, K, 50V	1	
C2426	ECJ2XB1H153K	C 0.015UF, K, 50V	1	
C2427	ECA1HHG100	E 10UF, 50V	1	
C2429	EEAGA1C101	E 100UF, 16V	1	
C2431	ECJ2VF1H103Z	C 0.01UF, Z, 50V	1	
C2433	ECJ2XB1H393K	C 0.039UF, K, 50V	1	
C2434	ECJ2XB1H223K	C 0.022UF, K, 50V	1	
C2435	ECJ2XB1H103K	C 0.01UF, K, 50V	1	
C2436	ECJ3VB1C104K	C 0.10UF, K, 16V	1	
C2437,38	EEAGA1C101	E 100UF, 16V	2	
C2440,41	ECJ3XF1C475Z	C 4.7UF, Z, 16V	2	
C2442	ECJ2VF1C105Z	C 1UF, Z, 16V	1	
C2450	ECA1HHG100	E 10UF, 50V	1	
C2451	ECA1HHG4R7	E 4.7UF, 50V	1	
C2452	ECJ2XB1H562K	C 5600PF, K, 50V	1	
C2453	ECJ2VF1H104Z	C 0.1UF, Z, 50V	1	
C2454	ECA1HHG4R7	E 4.7UF, 50V	1	
C2457	ECA1HHG4R7	E 4.7UF, 50V	1	
C2458	ECJ2XC1H102J	C 1000PF, J, 50V	1	
C2459	ECJ3VB1C104K	C 0.10UF, K, 16V	1	
C2460	ECJ2XB1H473K	C 0.047UF, K, 50V	1	
C2461	ECJ2XC1H102J	C 1000PF, J, 50V	1	
C2463	ECJ2XB1H473K	C 0.047UF, K, 50V	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
C2466,67	ECJ3VB1C104K	C 0.10UF, K, 16V	2	
C2480	ECJ2VF1C105Z	C 1UF, Z, 16V	1	
C2484	ECJ2VF1H103Z	C 0.01UF, Z, 50V	1	
C3001	ECJ1VF1H103Z	C 0.01UF, Z, 50V	1	
C3002	ECJ2XB1E104K	C 0.1UF, K, 25V	1	
C3003	EEVHP1A100	E 10UF, 10V	1	
C3004	EEVHB1C470	E 47UF, 16V	1	(J)
C3004	EEVHP1A100	E 10UF, 10V	1	(HY)
C3005	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	(HY)
C3005	ECJ2VF1C105Z	C 1UF, Z, 16V	1	(J)
C3006	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	(HY)
C3006	ECJ2VF1C105Z	C 1UF, Z, 16V	1	(J)
C3007	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	(HY)
C3007	EEVHB1C470	E 47UF, 16V	1	(J)
C3008	ECJ1VF1H104Z	C 0.1UF, Z, 50V	1	(-)
C3009	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	(J)
C3009	EEVHB1C470	E 47UF, 16V	1	(HY)
C3010	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	()
C3011	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	(J)
C3011	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	(HY)
C3012	ECJ1VF1H103Z	C 0.01UF, Z, 50V	1	(J)
C3012	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	(HY)
C3013	ECJ1VF1H103Z	C 0.01UF, Z, 50V	1	(J)
C3013	ECJ2VF1C105Z	C 1UF, Z, 16V	1	(HY)
C3014	ECJ1VF1H103Z	C 0.01UF, Z, 50V	1	(J)
C3014	EEVHB1C470	E 47UF, 16V	1	(HY)
C3014	ECJ1VF1H103Z	C 0.01UF, Z, 50V	1	(J)
C3015	ECJ1XC1H470J	C 47PF, J, 50V	1	(HY)
C3016	ECJ1VF1H103Z	C 0.01UF, Z, 50V	1	(J)
C3016	ECJ1XC1H220J	C 22PF, J, 50V	1	(HY)
C3010	ECJ1VF1H103Z		1	(J)
C3017	ECJ1XC1H680J	C 0.01UF, Z, 50V	1	+
	EEVHB1C470	C 68PF, J, 50V	1	(HY)
C3018		E 47UF, 16V	1	(J)
C3019	ECJ1XF1C104Z ECJ3YB0J335K	C 0.1UF, Z, 16V	1	(J)
C3019		C 33UF, J, 25V	1	(HY)
C3020	TCUY1C225KBM	C 2.2UF, 16V		(J)
C3021	ECJ2VF1C105Z	C 1UF, Z, 16V	1	(HY)
C3021	TCUY1C225KBM	C 2.2UF, 16V	1	(J)
C3022	ECJ1VF1A105Z	C 1UF, Z, 10V	1	(HY)
C3022-31	TCUY1C225KBM	C 2.2UF, 16V	10	(1)
C3032	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C3040,41	ECJ1XF1C104Z	C 0.1UF, Z, 16V	2	
C3051-54	ECJ1XC1H561J	C 560PF, J, 50V	4	
C3055,56	ECJ2VF1C105Z	C 1UF, Z, 16V	2	
C3101	EEVHB0G221P	E 220UF, 4V	1	
C3102	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C3103	ECJ1VF1A105Z	C 1UF, Z, 10V	1	(INO
C3104	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	(HY)
C3104,05	ECJ1XF1C104Z	C 0.1UF, Z, 16V	2	(J)
C3105	EEVHB0G221P	E 220UF, 4V	1	(HY)
C3106	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	(HY)
C3106	TCUY1C225KBM	C 2.2UF, 16V	1	(J)
C3107	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	(HY)
C3107	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	(J)

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
C3108	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	(HY)
C3108	TCUY1C225KBM	C 2.2UF, 16V	1	(J)
C3109	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	(HY)
C3109	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	(J)
C3110	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	(HY)
C3110	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	(J)
C3111	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	(HY)
C3111	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	(J)
C3112	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	(HY)
C3112	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	(J)
C3113	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	(HY)
C3113	TCUY1C225KBM	C 2.2UF, 16V	1	(J)
C3114	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	(HY)
C3114	ECJ3XF1C475Z	C 4.7UF, Z, 16V	1	(J)
C3115	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	(HY)
C3115	ECJ1XF1C104Z		1	1
		C 0.1UF, Z, 16V		(J)
C3116	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	(HY)
C3116	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	(J)
C3117	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	(HY)
C3117	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	(J)
C3118	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	(HY)
C3118	EEVHB1C470	E 47UF, 16V	1	(J)
C3119-21	ECJ1XB1C104K	C 0.1UF, Z, 16V	3	(J)
C3122	ECJ1VF1A105Z	C 1UF, Z, 10V	1	
C3123-26	ECJ1XB1C104K	C 0.1UF, Z, 16V	4	
C3127	ECJ2VF1C105Z	C 1UF, Z, 16V	1	
C3128-02	ECJ1XB1C104K	C 0.1UF, Z, 16V	7	
C3134	EEVHB1C471	E 470UF, 16V	1	
C3135	ECJ1VB1C103K	C 0.01UF, K, 16V	1	(HY)
C3135	EEVHB1C471	E 470UF, 16V	1	(J)
C3136	ECJ1XC1H330J	C 33PF, J, 50V	1	(HY)
C3136	EEVHB1C471	E 470UF, 16V	1	(J)
C3137	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C3138	ECJ3XB0J106M	C 10UF, M,6.3V	1	
C3139	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C3140	ECJ1XC1H101J	C 100PF, J, 50V	1	
C3141	ECJ1XB0J105K	C 1UF, K, 16V	1	(HY)
C3141	TCUY1C225KBM	C 2.2UF, 16V	1	(J)
C3142	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	(HY)
C3142,43	TCUY1C225KBM	C 2.2UF, 16V	2	(J)
C3144	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	(HY)
C3144	TCUY1C225KBM	C 2.2UF, 16V	1	(J)
C3146	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C3147	ECJ3XB0J106M	C 10UF, M,6.3V	1	
C3148	ECJ1XB0J105K	C 1UF, K, 16V	1	
C3149	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C3150	ECJ1VB1C103K	C 0.01UF, K, 16V	1	
C3151	ECJ1XC1H330J	C 33PF, J, 50V	1	
C3151	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C3152	ECJ1XC1H101J	C 100PF, J, 50V	1	
			1	
C3154	ECJ1XB1C104K	C 0.1UF, Z, 16V		
C3156	ECJ1XB0J105K	C 1UF, K, 16V	1	
C3157	ECJ3XB0J106M	C 10UF, M,6.3V	1	
C3158	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
C3159	EEVHB0G221P	E 220UF, 4V	1	
C3160,61	ECJ1XB1C104K	C 0.1UF, Z, 16V	2	
C3162-66	ECJ1VF1A105Z	C 1UF, Z, 10V	5	
C3167-78	ECJ1XB1C104K	C 0.1UF, Z, 16V	12	
C3179	EEVHB0G221P	E 220UF, 4V	1	
C3180-83	ECJ1XB1C104K	C 0.1UF, Z, 16V	4	
C3184	EEVHB0G221P	E 220UF, 4V	1	
C3185	ECJ1XC1H060D	C 6PF, D, 50V	1	
C3186	ECJ1XC1H470J	C 47PF, J, 50V	1	
C3187	EEVHB0G221P	E 220UF, 4V	1	
C3188	ECJ1VF1A105Z	C 1UF, Z, 10V	1	
C3200	ECJ2VF1C105Z	C 1UF, Z, 16V	1	
C3201	TCUY1C105ZFN	C 1UF, 16V	1	
C3202	ECJ1VF1A105Z	C 1UF, Z, 10V	1	(HY)
C3202	TCUY1C105ZFN	C 1UF, 16V	1	(J)
C3203	ECJ1VF1A105Z	C 1UF, Z, 10V	1	(HY)
C3203	ECJ2VF1E104Z	C 0.1UF, Z, 25V	1	(J)
C3204	ECJ1VF1A105Z	C 1UF, Z, 10V	1	(HY)
C3204	TCUY1C105ZFN		1	(J)
C3204	ECJ1VF1A105Z	C 1UF, 16V	1	(HY)
C3205	TCUY1C105ZFN	C 1UF, Z, 10V	1	, ,
C3205	ECJ1VF1A105Z	C 1UF, 16V	1	(J)
C3206	EEVHB0G221P	C 1UF, Z, 10V	1	
		E 220UF, 4V	7	
C3208-14	ECJ1VF1A105Z	C 1UF, Z, 10V		
C3216,17	ECJ1VF1A105Z	C 1UF, Z, 10V	2	
C3218	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C3219	EEVHB0J101P	E 100UF, 6.3V	1	
C3251,52	ECJ1XF1C104Z	C 0.1UF, Z, 16V	2	(100)
C3253	ECJ1XB1H102K	C 1000UF, Z, 50V	1	(HY)
C3253	TCUY1C225KBM	C 2.2UF, 16V	1	(J)
C3254	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	(HY)
C3254	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	(J)
C3255	ECJ1XB1H102K	C 1000UF, Z, 50V	1	(HY)
C3255	TCUY1C225KBM	C 2.2UF, 16V	1	(J)
C3256	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	(HY)
C3256	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	(J)
C3257	ECJ1XB1H102K	C 1000UF, Z, 50V	1	(HY)
C3257	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	(J)
C3258	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	(HY)
C3258	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	(J)
C3259	ECJ1XB1H102K	C 1000UF, Z, 50V	1	(HY)
C3259	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	(J)
C3260	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	(HY)
C3260	TCUY1C225KBM	C 2.2UF, 16V	1	(J)
C3261	ECJ3XF1C475Z	C 4.7UF, Z, 16V	1	(J)
C3261	EEVHB0G221P	E 220UF, 4V	1	(HY)
C3262	ECJ1XB1H102K	C 1000UF, Z, 50V	1	(HY)
C3262	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	(J)
C3263	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	(HY)
C3263	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	(J)
C3264	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	(HY)
C3264	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	(J)
C3265	EEVHB0G221P	E 220UF, 4V	1	(HY)
C3265	EEVHB1C470	E 47UF, 16V	1	(J)

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
C3266	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	(HY)
C3266-68	EEVHB1C471	E 470UF, 16V	3	(J)
C3308	EEVHB0G221P	E 220UF, 4V	1	
C3309	ECJ1VF1A105Z	C 1UF, Z, 10V	1	
C3311,12	ECJ1XB1C104K	C 0.1UF, Z, 16V	2	
C3313	ECJ1VF1A105Z	C 1UF, Z, 10V	1	
C3315	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C3316	ECJ2VF1C105Z	C 1UF, Z, 16V	1	
C3317	ECJ1VF1A105Z	C 1UF, Z, 10V	1	
C3318-21	ECJ1XB1C104K	C 0.1UF, Z, 16V	4	
C3322,23	EEVHB0G221P	E 220UF, 4V	2	
C3324	EEVHB0J101P	E 100UF, 6.3V	1	
C3325,26	EEVHB1C470	E 47UF, 16V	2	
C3327-30	ECJ1XB1C104K	C 0.1UF, Z, 16V	4	
C3401	EEVHP1C100R	E 10UF, 16V	1	
C3404	ECJ2VF1C104Z	C 0.1UF, Z, 16V	1	
C3405	EEVHB1C470	E 47UF, 16V	1	
C3409	ECJ2VF1C104Z	C 0.1UF, Z, 16V	1	
C3507,08	ECJ3XB0J106M	C 10UF, M,6.3V	2	
C3510,11	ECJ2VF1C105Z	C 1UF, Z, 16V	2	
C3520	EEVHB1C470	E 47UF, 16V	1	
C3521	ECJ2VF1C104Z	C 0.1UF, Z, 16V	1	
C3523	EEVHB1C470	E 47UF, 16V	1	(HX)
C3523	EEVHB1C470	E 47UF, 16V	1	(HY)
C3524	ECJ2VF1C104Z	C 0.1UF, Z, 16V	1	(HY)
C3524	ECJ2VF1H103Z	C 0.01UF, Z, 50V	1	(HX)
C3525,26	ECJ2VF1C104Z	C 0.1UF, Z, 16V	2	
C3527	TCUY0J685MBM	C 6.8UF, 6.3V	1	
C3550	ECJ2VF1H103Z	C 0.01UF, Z, 50V	1	
C3551	EEVHB1C470	E 47UF, 16V	1	
C3561,62	ECJ2VF1C105Z	C 1UF, Z, 16V	2	
C6400	ECJ2XB1H222K	C 2200PF, K, 50V	1	
C6401-06	TCUY1C105ZFN	C 1UF, 16V	6	
C6408	ECJ2XB1H222K	C 2200PF, K, 50V	1	
C6409,10	F1L2E1040002	E 1000UF, 25V	2	
C6417,18	F1L2E1040002	E 1000UF, 25V	2	
C6420	ECJ2XB1H222K	C 2200PF, K, 50V	1	
C6421-26	TCUY1C105ZFN	C 1UF, 16V	6	
C6427,28	F1L2E1040002	E 1000UF, 25V	2	
C6430	ECJ2XB1H222K	C 2200PF, K, 50V	1	
C6437,38	F1L2E1040002	E 1000UF, 25V	2	
C6452	ECJ2XB1H103K	C 0.01UF, K, 50V	1	
C6453	TCUY1C105ZFN	C 1UF, 16V	1	
C6454	ECJ2XB1H103K	C 0.01UF, K, 50V	1	
C6455	EEUFC1E221	E 220UF, 25V	1	
C6456	ECA2CM101	E 100UF, 160V	1	
C6458	ECJ4XB1E475M	C 4.7UF, M, 25V	1	
C6459	EEUFC1E470	E 47UF, 25V	1	
C6461	ECA1HM101	E 100UF, 50V	1	
C6462,63	ECJ4XB1E475M	C 4.7UF, M, 25V	2	
C6465	ECJ2XB1H104K	C 0.1UF, K, 50V	1	
C6466,67	ECJ4XB1E475M	C 4.7UF, M, 25V	2	
C6472	ECJ2XB1H103K	C 0.01UF, K, 50V	1	
C6473	TCUY1C105ZFN	C 1UF, 16V	1	
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Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
C6474	ECJ2XB1H103K	C 0.01UF, K, 50V	1	Keillaiks
C6475	EEUFC1E221	E 220UF, 25V	1	
C6476	ECA2CM101	E 100UF, 160V	1	
C6490,91	ECJ3XK2J102K	C 1000PF, K,630V	2	
C6490,91	EEUED2V100	E 10UF,	1	
C6493	ECJ3XB2J222K		1	
C6501-08	TCUY1C105ZFN	C 2200PF, K,630V	8	
C6509	ECJ2XC1H102J	C 10F, 16V	1	
	+	C 1000PF, J, 50V		
C6510-12	ECJ4XB1E475M	C 4.7UF, M, 25V	3	
C6513	ECA2CM101	E 100UF, 160V	1	
C6514	TCUY1C105ZFN	C 1UF, 16V	1	
C6515,16	ECJ4XB1E475M	C 4.7UF, M, 25V	2	
C6517	TCUY1C105ZFN	C 1UF, 16V	1	
C6521	ECJ4XB1E475M	C 4.7UF, M, 25V	1	
C6522	ECA1VM470	E 47UF, 35V	1	
C6524,25	ECJ3FC2D102J	C 1000PF, J,200V	2	
C6526	ECA2EHG470	E 47UF, 250V	1	
C6532	ECJ2XB1H472K	C 4700PF, K, 50V	1	
C6533	ECJ2VF1C105Z	C 1UF, Z, 16V	1	
C6534	ECJ2XB1H103K	C 0.01UF, K, 50V	1	
C6535	EEUFC1E221	E 220UF, 25V	1	
C6536	ECA1HM221	E 220UF, 50V	1	
C6537	ECJ2XB1H104K	C 0.1UF, K, 50V	1	
C6541,42	ECJ4XB1E475M	C 4.7UF, M, 25V	2	
C6543-45	ECJ3FC2D102J	C 1000PF, J,200V	3	
C6546	ECJ4XB1E475M	C 4.7UF, M, 25V	1	
C6550	ECA2CM101	E 100UF, 160V	1	
C6561-68	ECWF2205JS	P 2UF, 250V	8	
C6571	TCUY1C105ZFN	C 1UF, 16V	1	
C6574-78	TCUY1C105ZFN	C 1UF, 16V	5	
C6580,81	TCUY1C105ZFN	C 1UF, 16V	2	
C6584	ECJ3YB1E105K	C 1UF, K, 25V	1	
C6585	TCUY1C105ZFN	C 1UF, 16V	1	
C6598	ECA2CM101	E 100UF, 160V	1	
C6600-06	F2A2D221A022	E 220UF, 200V	7	
C6607,08	ECWF2205JS	P 2UF, 250V	2	
C6609	ECJ3YB1E105K	C 1UF, K, 25V	1	
C6610	ECA1EM471	E 470UF, 25V	1	
C6611-20	F1K2J222A014	C 2200UF, K,6.3V	10	
C6621,22	ECJ4XB1E475M	C 4.7UF, M, 25V	2	
C6623,24	TCUY1C105ZFN	C 1UF, 16V	2	
C6625	ECJ4XB1E475M	C 4.7UF, M, 25V	1	
C6626	ECJ3YB1E105K	C 1UF, K, 25V	1	
C6627,28	EEUFC1E470	E 47UF, 25V	2	
C6629	F2A2D1510004	E 150UF, 200V	1	
C6639	F1L2E1040002	E 1000UF, 25V	1	
C6640	TCUY1C105ZFN	C 1UF, 16V	1	
C6641,42	ECJ4XB1E475M	C 4.7UF, M, 25V	2	
C6650,51	ECJ4XB1E475M	C 4.7UF, M, 25V	2	
C6652	TCUY1C105ZFN	C 1UF, 16V	1	
C6680	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	
C6681,82	TCUY1C105ZFN	C 1UF, 16V	2	
C6683,84	EEUFC1E470	E 47UF, 25V	2	
C6701-08	ECWF2205JS	P 2UF, 250V	8	
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Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
C6709	F1L2E1040002	E 1000UF, 25V	1	Romano
C6711-14	F2A2D221A022	E 220UF, 200V	4	
C6715,16	ECWF2205JS	P 2UF, 250V	2	
C6717	ECJ3YB1E105K	C 1UF, K, 25V	1	
C6718,19	EEUFC1E221	E 220UF, 25V	2	
C6721	ECA1EM101	E 100UF, 25V	1	
C6722,23	ECA2CM101	E 100UF, 160V	2	
C6724	F2A2D221A022	E 220UF, 200V	1	
C6726	EEUFC1E561	E 560UF, 25V	1	
C6727	F1K2J222A014	C 2200UF, K,6.3V	1	
C6729	F1K2J222A014	C 2200UF, K,6.3V	1	
C6731	F1K2J222A014	C 2200UF, K,6.3V	1	
C6733	F1K2J222A014	C 2200UF, K,6.3V	1	
C6735	F1K2J222A014	C 2200UF, K,6.3V	1	
C6737	F1K2J222A014	C 2200UF, K,6.3V	1	
	F1K2J222A014		1	
C6739	+	C 2200UF, K,6.3V	1	
C6741	F1K2J222A014	C 2200UF, K,6.3V		
C6743	F1K2J222A014	C 2200UF, K,6.3V	1	
C6745	F1K2J222A014	C 2200UF, K,6.3V	1	
C6747,48	ECJ4XB1E475M	C 4.7UF, M, 25V	2	
C6749	TCUY1C105ZFN	C 1UF, 16V	1	
C6750,51	ECJ4XB1E475M	C 4.7UF, M, 25V	2	
C6752	TCUY1C105ZFN	C 1UF, 16V	1	
C6753	ECJ4XB1E475M	C 4.7UF, M, 25V	1	
C6755	TCUY1C105ZFN	C 1UF, 16V	1	
C6756,57	ECJ4XB1E475M	C 4.7UF, M, 25V	2	
C6758	ECJ3YB1E105K	C 1UF, K, 25V	1	
C6759,60	ECJ4XB1E475M	C 4.7UF, M, 25V	2	
C6761-64	TCUY1C105ZFN	C 1UF, 16V	4	
C6767,68	F2A2D221A022	E 220UF, 200V	2	
C6771	F2A2D221A022	E 220UF, 200V	1	
C6772,73	ECJ3YB1E105K	C 1UF, K, 25V	2	
C6784	ECJ3XB2J222K	C 2200PF, K,630V	1	
C6801	ECA2AHG101	E 100UF, 100V	1	
C6803	ECA2AHG101	E 100UF, 100V	1	
C6807	TCUY1C105ZFN	C 1UF, 16V	1	
C6808	F1L2E1040002	E 1000UF, 25V	1	
C6809,10	EEUFC1E221	E 220UF, 25V	2	
C6811	TCUY1C105ZFN	C 1UF, 16V	1	
C6812,13	F1L1E4750004	C 4.7UF, 25V	2	
C6815,16	ECWF2205JS	P 2UF, 250V	2	
C6817,18	F1L1E4750004	C 4.7UF, 25V	2	
C6820	TCUY1C105ZFN	C 1UF, 16V	1	
C6821,22	F1L1E4750004	C 4.7UF, 25V	2	
C6827	TCUY1C105ZFN	C 1UF, 16V	1	
C6828-31	ECJ2XB1H103K	C 0.01UF, K, 50V	4	
C6832	EEUFC1E221	E 220UF, 25V	1	
C6833	ECA2AHG101	E 100UF, 100V	1	
C6840	F1L2E1040002	E 1000UF, 25V	1	
C6841	ECA2AHG101	E 100UF, 100V	1	
C6901	ECA2AHG101	E 100UF, 100V	1	
C6902	EEUFC1E221	E 220UF, 25V	1	
C6903	ECA2AHG101	E 100UF, 100V	1	
C6907	TCUY1C105ZFN	C 1UF, 16V	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
C6908	F1L2E1040002	E 1000UF, 25V	1	Kemarks
C6910	EEUFC1E221	E 220UF, 25V	1	
C6911	TCUY1C105ZFN	C 1UF, 16V	1	
C6912,13	F1L1E4750004	C 4.7UF, 25V	2	
C6915,16	ECWF2205JS	P 2UF, 250V	2	
C6917,18	F1L1E4750004	C 4.7UF, 25V	2	
C6920	TCUY1C105ZFN	C 1UF, 16V	1	
C6921,22	F1L1E4750004	C 4.7UF, 25V	2	
C6927	TCUY1C105ZFN	C 1UF, 16V	1	
C6928-31	ECJ2XB1H103K		4	
	EEUFC1E221	C 0.01UF, K, 50V	1	
C6932		E 220UF, 25V		
C6933	ECA2AHG101	E 100UF, 100V	1	
C6940	F1L2E1040002	E 1000UF, 25V	1	
C6941	ECA2AHG101	E 100UF, 100V	1	
C7101,02	TCUY1C105ZFN	C 1UF, 16V	2	
C7103-06	ECJ3XB2A104K	C 0.10UF, Z, 6.3V	4	
C7107-10	ECJ1XC1H101J	C 100PF, J, 50V	4	
C7111-14	ECJ3XB2A104K	C 0.10UF, Z, 6.3V	4	
C7117,18	TCUY1C105ZFN	C 1UF, 16V	2	
C7121	TCUY1C105ZFN	C 1UF, 16V	1	
C7122	ECJ3XB0J106M	C 10UF, M,6.3V	1	
C7123-26	TCUY1C105ZFN	C 1UF, 16V	4	
C7127-30	ECJ3XB0J106M	C 10UF, M,6.3V	4	
C7131	TCUY1C105ZFN	C 1UF, 16V	1	
C7132	ECJ1XC1H101J	C 100PF, J, 50V	1	
C7201	TCUY1C105ZFN	C 1UF, 16V	1	
C7202	ECJ1XC1H101J	C 100PF, J, 50V	1	
C7203	TCUY1C105ZFN	C 1UF, 16V	1	
C7206	TCUY1C105ZFN	C 1UF, 16V	1	
C7208	ECJ3XB0J106M	C 10UF, M,6.3V	1	
C7210	TCUY1C105ZFN	C 1UF, 16V	1	
C7211,12	ECJ3XB2A104K	C 0.10UF, Z, 6.3V	2	
C7213	TCUY1C105ZFN	C 1UF, 16V	1	
C7214	ECJ3XB0J106M	C 10UF, M,6.3V	1	
C7215,16	ECJ3XB2A104K	C 0.10UF, Z, 6.3V	2	
C7217	TCUY1C105ZFN	C 1UF, 16V	1	
C7218	ECJ3XB0J106M	C 10UF, M,6.3V	1	
C7219,20	ECJ1XC1H101J	C 100PF, J, 50V	2	
C7221,22	ECJ3XB2A104K	C 0.10UF, Z, 6.3V	2	
C7223	TCUY1C105ZFN	C 1UF, 16V	1	
C7224	ECJ3XB0J106M	C 10UF, M,6.3V	1	
C7225	TCUY1C105ZFN	C 1UF, 16V	1	
C7301	TCUY1C105ZFN	C 1UF, 16V	1	
C7302	ECJ1XC1H101J	C 100PF, J, 50V	1	
C7303	TCUY1C105ZFN	C 1UF, 16V	1	
C7304	ECJ3XB0J106M	C 10UF, M,6.3V	1	
C7305-08	TCUY1C105ZFN	C 1UF, 16V	4	
C7309-12	ECJ3XB0J106M	C 10UF, M,6.3V	4	
C7317,18	TCUY1C105ZFN	C 1UF, 16V	2	
C7319-22	ECJ3XB2A104K	C 0.10UF, Z, 6.3V	4	
C7323-26	ECJ1XC1H101J	C 100PF, J, 50V	4	
C7327-30	ECJ3XB2A104K	C 0.10UF, Z, 6.3V	4	
C7331,32	TCUY1C105ZFN	C 1UF, 16V	2	
C7401,02	TCUY1C105ZFN	C 1UF, 16V	2	
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Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
C7403	ECJ1XC1H101J	C 100PF, J, 50V	1	
C7404	TCUY1C105ZFN	C 1UF, 16V	1	
C7406	ECJ3XB0J106M	C 10UF, M,6.3V	1	
C7408-11	TCUY1C105ZFN	C 1UF, 16V	4	
C7412-15	ECJ3XB0J106M	C 10UF, M,6.3V	4	
C7418,19	TCUY1C105ZFN	C 1UF, 16V	2	
C7420-23	ECJ3XB2A104K	C 0.10UF, Z, 6.3V	4	
C7424-27	ECJ1XC1H101J	C 100PF, J, 50V	4	
C7428-31	ECJ3XB2A104K	C 0.10UF, Z, 6.3V	4	
C7432,33	TCUY1C105ZFN	C 1UF, 16V	2	
C7501	ECJ1XC1H101J	C 100PF, J, 50V	1	
C7502	TCUY1C105ZFN	C 1UF, 16V	1	
C7507,08	ECJ3XB2A104K	C 0.10UF, Z, 6.3V	2	
C7509	ECJ1XC1H101J	C 100PF, J, 50V	1	
C7510,11	TCUY1C105ZFN	C 1UF, 16V	2	
C7512	ECJ3XB0J106M	C 10UF, M,6.3V	1	
C7513,14	ECJ3XB2A104K	C 0.10UF, Z, 6.3V	2	
C7515	TCUY1C105ZFN	C 1UF, 16V	1	
C7516	ECJ3XB0J106M	C 10UF, M,6.3V	1	
C7517	ECJ1XC1H101J	C 100PF, J, 50V	1	
C7518	TCUY1C105ZFN	C 1UF, 16V	1	
C7519,20	ECJ3XB2A104K	C 0.10UF, Z, 6.3V	2	
C7521	TCUY1C105ZFN	C 1UF, 16V	1	
C7522	ECJ3XB0J106M	C 10UF, M,6.3V	1	
C7523	TCUY1C105ZFN	C 1UF, 16V	1	
C7524	ECJ3XB0J106M	C 10UF, M,6.3V	1	
C7601,02	TCUY1C105ZFN	C 1UF, 16V	2	
C7603-06	ECJ3XB2A104K	C 0.10UF, Z, 6.3V	4	
C7607-10	ECJ1XC1H101J	C 100PF, J, 50V	4	
C7611-14	ECJ3XB2A104K	C 0.10UF, Z, 6.3V	4	
C7615,16	TCUY1C105ZFN	C 1UF, 16V	2	
C7613,10	TCUY1C105ZFN	C 10F, 16V	1	
C7622	ECJ3XB0J106M		1	
		C 10UF, M,6.3V	4	
C7623-26 C7627-30	TCUY1C105ZFN	C 1UF, 16V	4	
C7627-30	ECJ3XB0J106M	C 10UF, M,6.3V	1	
	ECJ1XC1H101J	C 100PF, J, 50V		
C7632	TCUY1C105ZFN	C 1UF, 16V	1	
C8001,02	EEVHB1C470	E 47UF, 16V	2	
C8003,04	ECJ1VF1H104Z	C 0.1UF, Z, 50V	2	
C8005,06	ECJ1VF1H103Z	C 0.01UF, Z, 50V	2	
C8007,08	ECJ1VB1H471K	C 470PF, K, 50V	2	
C8009	ECJ3XB0J106M	C 10UF, M,6.3V	1	
C8011	ECJ3XB0J106M	C 10UF, M,6.3V	1	
C8013,14	ECJ1XF1C104Z	C 0.1UF, Z, 16V	2	
C8015	ECJ3YF1A106Z	C 10UF, Z, 10V	1	
C8016	ECJ3YB1A475K	C 0.047UF, K, 10V	1	
C8017	ECJ3YF1A106Z	C 10UF, Z, 10V	1	
C8018	ECJ3YB1A475K	C 0.047UF, K, 10V	1	
C8019,20	ECJ1VB1H103K	C 0.01UF, K, 50V	2	
C8021,22	ECJ3VB1C474K	C 0.47UF, K, 16V	2	
C8023-26	ECJ1VB1H103K	C 0.01UF, K, 50V	4	
C8027	TCUY1C225KBM	C 2.2UF, 16V	1	
C8029	ECJ1VF1H103Z	C 0.01UF, Z, 50V	1	
C8030	EEVHB1C470	E 47UF, 16V	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
C8031	ECJ1VF1H103Z	C 0.01UF, Z, 50V	1	
C8032	EEVHB1C470	E 47UF, 16V	1	
C8033,34	ECJ1XC1H102J	C 1000PF, J, 50V	2	
C8035	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	
C8036,37	ECJ1XC1H101J	C 100PF, J, 50V	2	
C8038,39	ECJ2XC1H102J	C 1000PF, J, 50V	2	
C8041	TCUY1C225KBM	C 2.2UF, 16V	1	
C8043	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	
C8045,46	ECJ2VF1C105Z	C 1UF, Z, 16V	2	
C8049,50	ECJ2VF1H103Z	C 0.01UF, Z, 50V	2	
C8051	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	
C8070	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C8071	EEVHB1C470	E 47UF, 16V	1	
C8072,73	ECJ3YF1A106Z	C 10UF, Z, 10V	2	
C9001	ECJ3XB0J106M	C 10UF, M,6.3V	1	
C9002	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	
C9002	ECJ1XB1C104K		1	
	ECJ3XB0J106M	C 0.1UF, Z, 16V	1	
C9004		C 10UF, M,6.3V		
C9005,06	ECJ1XF1C104Z	C 0.1UF, Z, 16V	2	
C9007-10	EEVHB0G221P	E 220UF, 4V	4	
C9011-14	ECJ1XB1C104K	C 0.1UF, Z, 16V	4	
C9016,17	ECJ1XB1C104K	C 0.1UF, Z, 16V	2	
C9020	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C9022	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	
C9023	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C9027	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	
C9028	ECJ3XB0J106M	C 10UF, M,6.3V	1	
C9029	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	
C9030,31	ECJ3XB0J106M	C 10UF, M,6.3V	2	
C9032,33	ECJ1XF1C104Z	C 0.1UF, Z, 16V	2	
C9034,35	ECJ1XB1C104K	C 0.1UF, Z, 16V	2	
C9036,37	ECJ3XB0J106M	C 10UF, M,6.3V	2	
C9038,39	ECJ1XF1C104Z	C 0.1UF, Z, 16V	2	
C9040	ECJ2VB1E473K	C 0.047UF, K, 25V	1	
C9041	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	
C9042,43	ECJ2VB1E473K	C 0.047UF, K, 25V	2	
C9044	ECJ1XB1H102K	C 1000UF, Z, 50V	1	
C9045,46	ECJ1XF1C104Z	C 0.1UF, Z, 16V	2	
C9048,49	ECJ1XF1C104Z	C 0.1UF, Z, 16V	2	
C9050	ECJ3XB0J106M	C 10UF, M,6.3V	1	
C9051	ECJ1XB1C393K	C 0.039UF, K, 16V	1	
C9052	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	
C9053	ECJ1VB1H392K	C 3900PF, K, 50V	1	
C9054-56	ECJ1XF1C104Z	C 0.1UF, Z, 16V	3	
C9057	ECJ3XB0J106M	C 10UF, M,6.3V	1	
C9058	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	
C9059	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C9060	ECJ3XB0J106M	C 10UF, M,6.3V	1	
C9061,62	ECJ1XF1C104Z	C 0.1UF, Z, 16V	2	
C9063-66	EEVHB0G221P	E 220UF, 4V	4	
C9067-70	ECJ1XB1C104K	C 0.1UF, Z, 16V	4	
C9072,73	ECJ1XB1C104K	C 0.1UF, Z, 16V	2	
C9076,77	ECJ1XF1C104Z	C 0.1UF, Z, 16V	2	
C9078	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
C9080	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C9084	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	
C9085	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C9086	ECJ3XB0J106M	C 10UF, M,6.3V	1	
C9087	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	
C9088,89	ECJ3XB0J106M	C 10UF, M,6.3V	2	
C9090,91	ECJ1XF1C104Z	C 0.1UF, Z, 16V	2	
C9092,93	ECJ1XB1C104K	C 0.1UF, Z, 16V	2	
C9094,95	ECJ3XB0J106M	C 10UF, M,6.3V	2	
C9096,97	ECJ1XF1C104Z	C 0.1UF, Z, 16V	2	
C9098	ECJ2VB1E473K	C 0.047UF, K, 25V	1	
C9099	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	
C9100,01	ECJ2VB1E473K	C 0.047UF, K, 25V	2	
C9102	ECJ1XB1H102K	C 1000UF, Z, 50V	1	
C9103	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	
C9105-07	ECJ1XF1C104Z	C 0.1UF, Z, 16V	3	
C9108	ECJ3XB0J106M	· · ·	1	
C9109	ECJ1XB1C393K	C 10UF, M,6.3V	1	
C9109	ECJ1XF1C393K	C 0.039UF, K, 16V C 0.1UF, Z, 16V	1	
C9111	ECJ1VB1H392K	C 3900PF, K, 50V	1	
C9112-14	ECJ1XF1C104Z		3	
C9112-14	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	
C9151	EEVHB0J330	C 0.1UF, Z, 16V	1	
	+	E 33UF, 6.3V	1	
C9153	ECJ3XB0J106M	C 10UF, M,6.3V	1	
C9154	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	
C9155	EEVHB1C470	E 47UF, 16V		
C9156	ECJ3XB0J106M	C 10UF, M,6.3V	1	
C9157-60	ECJ1XF1C104Z	C 0.1UF, Z, 16V	4	
C9161	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C9162	ECJ3XB0J106M	C 10UF, M,6.3V	1	
C9163-70	ECJ1XF1C104Z	C 0.1UF, Z, 16V	8	
C9172-74	ECJ1XF1C104Z	C 0.1UF, Z, 16V	3	
C9175	ECJ3XB0J106M	C 10UF, M,6.3V	1 _	
C9176-82	ECJ1XF1C104Z	C 0.1UF, Z, 16V	7	
C9187	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	
C9191	ECJ1VF1H103Z	C 0.01UF, Z, 50V	1	
C9192	TCUY1C105ZFN	C 1UF, 16V	1	
C9195	TCUY1C105ZFN	C 1UF, 16V	1	
C9196	ECJ3VB1C104K	C 0.10UF, K, 16V	1	
C9197	ECJ2VB1E563K	C 0.056UF, K, 25V	1	
C9198	ECJ2VB1C104K	C 0.1UF, K, 16V	1	
C9199,00	ECJ1XF1C104Z	C 0.1UF, Z, 16V	2	
C9301	ECJ1VF1H103Z	C 0.01UF, Z, 50V	1	
C9302	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	
C9303	EEVHB1C470	E 47UF, 16V	1	
C9304	ECJ3XF1C475Z	C 4.7UF, Z, 16V	1	
C9305	ECJ3XB0J106M	C 10UF, M,6.3V	1	
C9307	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	
C9308	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C9309	ECJ3XB0J106M	C 10UF, M,6.3V	1	
C9310	ECJ1XC1H330J	C 33PF, J, 50V	1	
C9311	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	
C9312,13	ECJ1XC1H330J	C 33PF, J, 50V	2	
C9314,15	ECJ3XF1C475Z	C 4.7UF, Z, 16V	2	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
C9316,17	ECJ1XF1C104Z	C 0.1UF, Z, 16V	2	
C9318	ECJ3XF1C475Z	C 4.7UF, Z, 16V	1	
C9319	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	
C9321	ECJ3XB0J106M	C 10UF, M,6.3V	1	
C9323	ECJ1XC1H101J	C 100PF, J, 50V	1	
C9324	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	
C9325	ECJ3XF1C475Z	C 4.7UF, Z, 16V	1	
C9327	ECJ3XF1C475Z	C 4.7UF, Z, 16V	1	
C9328-30	ECJ1XF1C104Z	C 0.1UF, Z, 16V	3	
C9331	ECJ3XB0J106M	C 10UF, M,6.3V	1	
C9332-35	ECJ1XF1C104Z	C 0.1UF, Z, 16V	4	
C9338-46	ECJ1XF1C104Z	C 0.1UF, Z, 16V	9	
C9347	ECJ3XF1C475Z	C 4.7UF, Z, 16V	1	
C9449	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	
C9450	ECJ3XB0J106M	C 10UF, M,6.3V	1	
C9453	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	
C9454,55	ECJ3XF1C475Z		2	
C9465	ECJ1XF1C104Z	C 4.7UF, Z, 16V	1	
	EEVHB0G221P	C 0.1UF, Z, 16V	1	
C9466		E 220UF, 4V	1	
C9467	ECJ1XF1C104Z	C 0.1UF, Z, 16V		
C9469	EEVHB0G221P	E 220UF, 4V	1	
C9470	ECJ1XC1H101J	C 100PF, J, 50V	1	
C9471	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	
C9472	ECJ3XB0J106M	C 10UF, M,6.3V	1	
C9474	ECJ3XF1C475Z	C 4.7UF, Z, 16V	1	
C9475-77	ECJ1XF1C104Z	C 0.1UF, Z, 16V	3	
C9478	ECJ3XB0J106M	C 10UF, M,6.3V	1	
C9479-82	ECJ1XF1C104Z	C 0.1UF, Z, 16V	4	
C9485-93	ECJ1XF1C104Z	C 0.1UF, Z, 16V	9	
C9494,95	ECJ3XF1C475Z	C 4.7UF, Z, 16V	2	
C9496,97	ECJ1XF1C104Z	C 0.1UF, Z, 16V	2	
C9498	ECJ3XF1C475Z	C 4.7UF, Z, 16V	1	
C9499	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	
C9596-99	ECJ1VF1H103Z	C 0.01UF, Z, 50V	4	
C9601-09	ECJ1XF1C104Z	C 0.1UF, Z, 16V	9	
C9611	ECJ3XF1C475Z	C 4.7UF, Z, 16V	1	
C9612	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	
C9613	ECJ1VF1H103Z	C 0.01UF, Z, 50V	1	
C9615-25	ECJ1XF1C104Z	C 0.1UF, Z, 16V	11	
C9629-38	ECJ1XF1C104Z	C 0.1UF, Z, 16V	10	
C9640,41	ECJ1XF1C104Z	C 0.1UF, Z, 16V	2	
C9700,01	ECJ1XF1C104Z	C 0.1UF, Z, 16V	2	
C9702	EEVHB1C470	E 47UF, 16V	1	
C9703	ECJ1XC1H101J	C 100PF, J, 50V	1	
C9705	ECJ1XF1H102Z	C 1000PF, Z, 50V	1	
C9706,07	ECJ1XF1C104Z	C 0.1UF, Z, 16V	2	
C9708-10	EEVHB1C470	E 47UF, 16V	3	
C9712-17	ECJ1XC1H101J	C 100PF, J, 50V	6	
C9718	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	
C9719	ECJ3XF1C475Z	C 4.7UF, Z, 16V	1	
C9720	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	
C9722,23	ECJ1XC1H100D	C 10PF, D, 50V	2	
C9724	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	
C9725	ECJ3XB0J106M	C 10UF, M,6.3V	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
C9726	ECJ3XF1C475Z	C 4.7UF, Z, 16V	1	Remarks
C9727,28	ECJ1XF1C104Z	C 0.1UF, Z, 16V	2	
C9727,28	ECJ3XF1C475Z		1	
	ECJ3XF1C473Z ECJ1XF1C104Z	C 4.7UF, Z, 16V	4	
C9730-33	ECJ1XF1C104Z	C 0.1UF, Z, 16V		
C9737	+	C 0.1UF, Z, 16V	1	
C9740,41	ECJ1XF1C104Z	C 0.1UF, Z, 16V	2	
C9742	EEVHB1C470	E 47UF, 16V	1	
C9743	TCUY1C105ZFN	C 1UF, 16V	1	
C9748,49	ECJ1XF1C104Z	C 0.1UF, Z, 16V	2	
C9750	ECJ3XF1C475Z	C 4.7UF, Z, 16V	1	
C9751,52	ECJ1VF1H103Z	C 0.01UF, Z, 50V	2	
C9753,54	ECJ1XF1C104Z	C 0.1UF, Z, 16V	2	
C9755,56	ECJ1XF1H102Z	C 1000PF, Z, 50V	2	
C9759	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	
C9760	ECJ1VB1C563K	C 0.056UF, K, 16V	1	
C9761,62	ECJ1XC1H330J	C 33PF, J, 50V	2	
C9765	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	
C9766	ECJ3XB0J106M	C 10UF, M,6.3V	1	
C9767,68	TCUY1C105ZFN	C 1UF, 16V	2	
C9769	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	
C9774,75	ECJ1XC1H330J	C 33PF, J, 50V	2	
C9800	EEVHB0G221	E 220UF, 4V	1	
C9801	ECJ3XB0J106M	C 10UF, M,6.3V	1	
C9803	ECJ3YB1A475K	C 0.047UF, K, 10V	1	
C9804	ECJ2XB1E104K	C 0.1UF, K, 25V	1	
C9805	ECJ2XC1H222J	C 2200PF, J, 50V	1	
C9806	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	
C9951-53	EEVHB1C470	E 47UF, 16V	3	
C9954,55	ECJ1XF1C104Z	C 0.1UF, Z, 16V	2	
C9956	ECJ1VF1H103Z	C 0.01UF, Z, 50V	1	
C9957	ECJ3XF1C475Z	C 4.7UF, Z, 16V	1	
C9958,59	F2H1E221A007	E 2.2UF, 25V	2	
C9960	ECJ3VB1C104K	C 0.10UF, K, 16V	1	
C9961	EEFUD0G121ER	120UF	1	
C9964,65	ECJ1XF1C104Z	C 0.1UF, Z, 16V	2	
C9966	EEVHB0G221P	E 220UF, 4V	1	
C9967	ECJ3XB0J106M	C 10UF, M,6.3V	1	
C9968	EEVHB1C470	E 47UF, 16V	1	
C9969	ECJ3XF1C475Z	C 4.7UF, Z, 16V	1	
C9970	ECJ2XB1E104K	C 0.1UF, K, 25V	1	
C9971	ECJ2XC1H222J	C 2200PF, J, 50V	1	
CA1-11	K1MN48A00002	CONNECTOR	11	
CB1-11	K1MN48A00002	CONNECTOR	11	
D3	K1KA40A00140	40P CONNECTOR	1	
D4	K1KA12A00227	12P CONNECTOR	1	
D5	K1KA31A00003	31P CONNECTOR	1	
D6	K1KA21A00007	21P CONNECTOR	1	
D10	K1KA12A00254	12P CONNECTOR	1	
D12	K1KA07A00189	7P CONNECTOR	1	
D20	K1KA20A00180	20P CONNECTOR	1	
D25	K1KA08A00293	8P CONNECTOR	1	
		1		

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
D27	K1KA09A00077	9P CONNECTOR	1	
D31-34	K1MN80B00002	CONNECTOR	4	
D401	B0FBBR000020	DIODE	1	
D402	MA4082M	ZENER DIODE	1	
D404	S1WBA80Z	DIODE	1	
D408	MA4180M	ZENER DIODE	1	
D409	B0HAMM000072	DIODE	1	
D410	MA188	DIODE	1	
D411	B0BB17000006	DIODE	1	
D412	MA165	DIODE	1	
D414	MA165	DIODE	1	
D415	B0JAME000081	DIODE	1	
D418	MA4082M	ZENER DIODE	1	
D419,20	B0HBSR000005	DIODE	2	
D421	MA4150M	ZENER DIODE	1	
D423-26	B0JAME000081	DIODE	4	
D431	RB520S30TE61	DIODE	1	
D433,34	MA4051NM	ZENER DIODE	2	
D503,04	MA165	DIODE	2	
D505,06	B0JAME000081	DIODE	2	
D507	MA165	DIODE	1	
D510	B0HAMM000072	DIODE	1	
D511	B0JAME000078	DIODE	1	
D513	MA4100M	ZENER DIODE	1	
D515	MA4056M	ZENER DIODE	1	
D517-20	MA165	DIODE	4	
D517-20	MA188	DIODE	1	
D528,29	MA153	DIODE	2	
D520,29	MA4100M	ZENER DIODE	1	
D530	B0HDRM000001	DIODE	1	
D531	MA3J142D0L	DIODE	1	
D532,34	MA752A	DIODE	2	
D535,34	MA188	DIODE	1	
D536	MA752A	DIODE	1	
D537	B0HBRP00006	DIODE	1	
D537	MA4051NM	ZENER DIODE	1	
			1	
D539 D540,41	B0HBRP000006	DIODE	2	
· ·	MA188	ZENER DIODE		
D543-45	MA3200		3	
D546	B0JCND000005	DIODE	1	
D547	MA3150M	ZENER DIODE	1	
D548	MA4075M	ZENER DIODE	1	
D549	MA188	DIODE	1	
D550	MA4068M	ZENER DIODE	1	
D551	MA4075M	ZENER DIODE	1	
D552	MA4051NM	ZENER DIODE	1	
D553	MA165	DIODE	1	
D554	ERA15-01V5	DIODE	1	
D555	MA4075M	ZENER DIODE	1	
D557	MA111	DIODE	1	
D561	MA3075MTX	ZENER DIODE	1	
D563,64	MA111	DIODE	2	
D565	B0JAME000081	DIODE	1	
D802,03	M1FS4	DIODE	2	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
D804	B0JCPD000010	DIODE	1	Romana
D806,07	B0BC6R8A0010	DIODE	2	
D901	ERZV10V621P2	VARISTOR	1	Δ
D902	D4SB80Z	DIODE	1	<u>A</u>
			-	<u> </u>
D903	EG01C	DIODE	1	
D904	B0HAMM000072	DIODE	1	
D906	TMPG10G3	DIODE	1	Δ.
D907	PC123FY2	PHOTO COUPLER	1	Δ
D920	B0HFRJ000012	DIODE	1	
D921	B0BA02000024	DIODE	1	
D922	MA165	DIODE	1	
D923	LNJ201LPQJA	LED	1	
D1001	MA111	DIODE	1	
D1550	LNJ107W5PRW	LED	1	
D1551-53	MA8056M	ZENER DIODE	3	
D2301,02	M1FS4	DIODE	2	
D2308	MA152	DIODE	1	
D2316,17	M1FS4	DIODE	2	
D3001	MA111	DIODE	1	
D3001	MA729	DIODE	1	
D3002	MA3100M	ZENER DIODE	1	
D3003,04	MA111	DIODE	2	
D3021	MA111	DIODE	1	
D3024	MA111	DIODE	1	
D3351,52	MA153	DIODE	2	
D3501-04	MA3056M	ZENER DIODE	4	
D3507-10	MA8160H	ZENER DIODE	4	
D6401,02	MA8056H	ZENER DIODE	2	
D6408,09	D1FL40F4063	DIODE	2	
D6411,12	MA8056H	ZENER DIODE	2	
D6418,19	D1FL40F4063	DIODE	2	
D6433	MA111	DIODE	1	
D6435	MA111	DIODE	1	
D6436	B0JCKG000001	DIODE	1	
D6451	M1FS4	DIODE	1	
D6453	MA111	DIODE	1	
D6455	MA111	DIODE	1	
D6456	D1FL40F4063	DIODE	1	
D6459	MA111	DIODE	1	
D6460,61	B0HCKS000001	DIODE	2	
D6463	MA8056H	ZENER DIODE	1	
D6465,66	MA8330M	ZENER DIODE	2	
D6468	MA111	DIODE	1	
D6470	MA111	DIODE	1	
D6473	MA111	DIODE	1	
D6475	MA111	DIODE	1	
D6476	D1FL40F4063	DIODE	1	
D6477	MA111	DIODE	1	
D6478	B0HCKS000001	DIODE	1	
DC 47C	1	DIODE	1	
D6479	MA111	5.052		
D6479 D6481,82	MA111 MA8330M	ZENER DIODE	2	
		<u> </u>		
D6481,82	MA8330M	ZENER DIODE	2	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
D6493		DIODE	1	
D6495	B0HCKS000001 [DIODE	1	
D6497-99	M1FS4	DIODE	3	
D6509	MA111 [DIODE	1	
D6510	M1FS4	DIODE	1	
D6511	M1FL20UF4063	DIODE	1	
D6512-14		DIODE	3	
D6515,16		ZENER DIODE	2	
D6520		DIODE	1	
D6521		DIODE	1	
D6522		DIODE	1	
D6523	+	DIODE	1	
D6524		ZENER DIODE	1	
D6525		DIODE	1	
D6526	+	DIODE	1	
D6541		DIODE	1	
D6542	_	DIODE	1	
D6543		ZENER DIODE	1	
D6544	_	DIODE	1	
D6545	+	ZENER DIODE	1	
D6546-48	_	ZENER DIODE	3	
D6549,50	_	DIODE	2	
D6549,50 D6552	+	DIODE	1	
			1	
D6553	+	DIODE	1	
D6570	_	DIODE	1	
D6572		DIODE ZENER DIODE	1	
D6582		ZENER DIODE		
D6583	_	LED	1	
D6584	+	DIODE	1	
D6585,86	_	ZENER DIODE	2	
D6600	_	DIODE	1	
D6605-10	_	DIODE	6	
D6611-14		DIODE	4	
D6615-18	_	DIODE	4	
D6623	_	DIODE	1	
D6627		DIODE	1	
D6631,32		DIODE	2	
D6633,34		DIODE	2	
D6649		DIODE	1	
D6650		DIODE	1	
D6651		DIODE	1	
D6701		DIODE	1	
D6710		DIODE	1	
D6711,12		DIODE	2	
D6713		DIODE	1	
D6715,16		DIODE	2	
D6728,29		DIODE	2	
D6734-39		DIODE	6	
D6740	D1FL40F4063	DIODE	1	
D6749,50	M1FS4	DIODE	2	
D6751-53	D1FL40F4063	DIODE	3	
D6754	MA8240MTX Z	ZENER DIODE	1	
D6756	M1FS4	DIODE	1	
D6758,59	MA8330M Z	ZENER DIODE	2	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
D6760	LNJ201LPQJA	LED	1	romano
D6761	MA8051L	ZENER DIODE	1	
D6762,63	MA111	DIODE	2	
D6764	LNJ201LPQJA	LED	1	
D6766	MA111	DIODE	1	
D6769	D1FL40F4063	DIODE	1	
			2	
D6771,72	MA111	DIODE		
D6773	D1FL40F4063	DIODE	1	
D6795	D1FL40F4063	DIODE	1	
D6802	D1FL40F4063	DIODE	1	
D6805,06	D1FL40F4063	DIODE	2	
D6807	B0HDSM000004	DIODE	1	
D6811-13	D1FL40F4063	DIODE	3	
D6814-17	B0HDSM000004	DIODE	4	
D6818	D1FL40F4063	DIODE	1	
D6820,21	B0HDSM000004	DIODE	2	
D6822,23	MA152	DIODE	2	
D6824	M1FS4	DIODE	1	
D6826-29	M1FS4	DIODE	4	
D6902	D1FL40F4063	DIODE	1	
D6905,06	D1FL40F4063	DIODE	2	
D6907	B0HDSM000004	DIODE	1	
D6911-13	D1FL40F4063	DIODE	3	
D6914-17	B0HDSM000004	DIODE	4	
D6918	D1FL40F4063	DIODE	1	
D6920,21	B0HDSM000004	DIODE	2	
D6922,23	MA152	DIODE	2	
D6924	M1FS4	DIODE	1	
D6926,27	M1FS4	DIODE	2	
D7101-08	M1FL20UF4063	DIODE	8	
D7201-06	M1FL20UF4063	DIODE	6	
D7301-08	M1FL20UF4063	DIODE	8	
D7401-04	MA152K	DIODE	4	
D7405-12	M1FL20UF4063	DIODE	8	
D7501-06	M1FL20UF4063	DIODE	6	
D7601-08	M1FL20UF4063	DIODE	8	
D8001-04	MA111	DIODE	4	
D8010,11	MA153	DIODE	2	
D9001	MA3036H	ZENER DIODE	1	
D9003	MA3036H	ZENER DIODE	1	
D9705-13	MA3062M	ZENER DIODE	9	
D9714	MA152	DIODE	1	
D9715	MA3062M	ZENER DIODE	1	
D9716	MA111	DIODE	1	
D9719,20	MA3062M	ZENER DIODE	2	
D9723	MA3062M	ZENER DIODE	1	
D9724	MA111	DIODE	1	
D9727	MA152K	DIODE	1	
D9730	MA152K	DIODE	1	
D9769	MA152K	DIODE	1	
D9771	MA152K	DIODE	1	
D9800	B0JCPD000010	DIODE	1	
D9800	M1FS4	DIODE	1	
D9952	M1FS4	DIODE	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
D9953		DDE .	1	
D9954	M1FS4 DIG	DDE	1	
D9955	B0JCPD000010 DIC	DDE	1	
DL7201,02	ELKE103FA NO	ISE FILTER	2	
DL7501-03	ELKE103FA NO	ISE FILTER	3	
F405	P130A FU	SE	1	
F900-1	EYF-52BC FU	SE HOLDER	1	
F900-2	EYF-52BC FU	SE HOLDER	1	
F900.901	K5Y802B00001 FU	SE	2	
F901-1	EYF-52BC FU	SE HOLDER	1	
F901-2,-1	EYF-52BC FU	SE HOLDER	2	
F902-2	EYF-52BC FU	SE HOLDER	1	
F902	K5D312BK0012 FU	SE	1	
Н0	K1KA08A00293 8P	CONNECTOR	1	
H1,H2	K1KA80B00034 80F	PCONNECTOR	2	
H37	TJS3A9640 3P	CONNECTOR	1	
HX1	K1KB22A00036 20F	P CONNECTOR	1	
IC401	CNC1S171R IC		1	
IC402	NJM2903V IC		1	
IC403,04	CNC1S171R IC		2	
IC406	C0DAZZZ00019 IC		1	
IC408	CNC1S171R IC		1	
IC409	MIP2E2DMPSCF IC		1	
IC501	C2ABDA000040 IC		1	
IC502	C0EBH0000190 IC		1	
IC503	C0ZBZ0000383 IC		1	
IC504	TA76431ASTP6 IC		1	
IC511	C0DAAZG00010 IC		1	
IC512	TA76431ASTP6 IC		1	
IC520	C0JBAZ002056 IC		1	
IC521	C0JBAF000367 IC		1	
IC522	C0JBAZ002056 IC		1	
IC523	COJBAF000367 IC		1	
IC801	C0DAAHG00008 IC		1	
IC802	CODAAHG00007 IC		1	
IC803 IC901	C0DBALH00002 IC MIP2E4DMY1TV IC		1	
IC901		IEAR IC	1	
IC902 IC951	PQ12SZ1T IC	ILAN IO	1	
IC951	PQ09SZ1T IC		1	
IC1001	C1DB00000274 IC		1	
IC1550	B3L00000020 IC		1	
IC2301,02	LA4901 IC		2	
IC2301,02	PQ09SZ1T IC		1	
IC2304 IC2401		IEAR IC	1	
IC3001		OS IC (CMOS GATE ARRLY)	1	
IC3001	C0JBBR000002 IC	O IO (OMOO GATE ARRET)	1	
IC3002		IEAR IC	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
IC3005	C1AB00001139	IC	1	
IC3006	CXA1315M	LINEAR IC	1	
IC3007	AHC2G66HDCTR	INTEGRATED CIRCUIT	1	
IC3101	PQ07VZ012ZP	IC	1	
IC3102	C0DBZLB00001	IC	1	
IC3103	C1AB00001826	IC	1	
IC3104	PST9128NR	IC (LOGIC)	1	
IC3105	C0JBAZ001834	IC	1	
IC3108,09	AN78L05M	LINEAR IC	2	
IC3201	C1AB00001720	IC	1	
IC3201 02	C3HBKZ000001	IC	1	
IC3251 02	C0ZBZ0000684	IC	1	
IC3251 02	C1AB00001720	IC	1	
IC3301	MM1065ZMR	LINEAR IC	1	
IC3302	PQ07VZ012ZP	IC	1	
IC3302			1	
IC3303	AN80L25RMS	MOS IC (MICON LSI)	1	
IC3305	JLC1562BF	IC	1	
IC3311	C0JBBZ000285 C0ABZA000028	IC IC	1	
IC3401	S-24C16AFJ	INTEGRATED CIRCUIT	1	
IC6401-06				
IC6401-06	COHBC0000005	IC IC	6	
	C0HBC0000005	LINEAR IC	6	
IC6431	AN1431M		1	
IC6434	TLP181	PHOTO COUPLER	1	
IC6451	AN1431M	LINEAR IC	1	
IC6452,53	AN78L15M	LINEAR IC	2	
IC6454,55	AN78L05M	LINEAR IC	2	
IC6456-59	TLP181	PHOTO COUPLER	4	
IC6467	TLP181	PHOTO COUPLER	1	
IC6471,72	AN1431M	LINEAR IC	2	
IC6480	TLP181	PHOTO COUPLER	1	
IC6491	AN1431M	LINEAR IC	1	
IC6501,02	TC74HC14AF	IC	2	
IC6503-08	B3PBA0000191	IC	6	
IC6510	B3PBA0000191	IC	1	
IC6511	C0ZBZ0000735	IC	1	
IC6512	AN78L05M	LINEAR IC	1	
IC6521	C0ZBZ0000735	IC	1	
IC6541,42	C0ZBZ0000735	IC	2	
IC6543	AN78L05M	LINEAR IC	1	
IC6581	NJM2903M	INTEGRATED CIRCUIT	1	
IC6601-03	C0ZBZ0000138	IC	3	
IC6604	M63991FP	LINEAR IC	1	
IC6605,06	C0JBAZ000005	IC	2	
IC6607	TC74HC08AF	IC	1	
IC6671	AN1431M	LINEAR IC	1	
IC6701-04	C0ZBZ0000138	IC	4	
IC6705	C0ZBZ0000735	IC	1	
IC6706	C0JBAZ000005	IC	1	
IC6707	NJM2903M	INTEGRATED CIRCUIT	1	
IC6709	AN1431M	LINEAR IC	1	
IC6801	C0JBAZ000005	IC	1	
IC6802,03	C0ZBZ0000138	IC	2	
IC6804	NJM2903M	INTEGRATED CIRCUIT	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
IC6805	C0ZBZ0000138	IC	1	
IC6901		IC	1	
IC6902,03		IC	2	
IC6904		INTEGRATED CIRCUIT	1	
IC6905		IC	1	
IC7102-06		IC	5	
IC7201		IC	1	
IC7203-05		IC	3	
IC7301-05		IC	5	
IC7401-05		IC	5	
IC7502-05		IC	4	
IC7602-06		IC	5	
IC8001,02		MOS IC (CMOS GATE ARRLY)	2	
IC8003,04		LINEAR IC	2	
IC8005,04		IC	2	
		IC	2	
IC8007,08 IC8009		INTEGRATED CIRCUIT	1	
IC8009		IC	1	
		IC	1	
IC8016		IC	1	
IC9001 IC9002		IC	1	
		IC	1	
IC9003		_	1	
IC9004	_	INTEGRATED CIRCUIT		
IC9005		IC	1	
IC9006,07		IC	2	
IC9008		IC	1	
IC9009		IC	1	
IC9010		IC	1	
IC9011		IC	1	
IC9012		IC	1	
IC9013		INTEGRATED CIRCUIT	1	
IC9014		MOS IC (CMOS S/LOGIC)	1	
IC9015		IC	1	
IC9016,17		IC	2	
IC9018		IC	1	
IC9019		IC	1	
IC9023		MOS IC (CMOS S/LOGIC)	1	
IC9151		IC	1	
IC9152		IC	1	
IC9153		IC	1	
IC9154		IC	1	
IC9155		IC	1	
IC9157		INTEGRATED CIRCUIT	1	
IC9301		IC	1	
IC9302	C0CBCBD00008	IC	1	
IC9303	C1ZBZ0002357	IC	1	
IC9304		IC	1	
IC9305	MN84510-A	IC	1	
IC9453	PQ07VZ012ZP	IC	1	
IC9454	C3ABPJ000043	IC	1	
IC9455	MN84510-A	IC	1	
IC9456	TVRJ957	IC	1	
IC9457	C0JBAZ001604	IC	1	
IC9459	C0JBAZ001992	IC	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
IC9601	C0JBAZ001604	IC	1	
IC9602	TC74LCX244F	MOS IC (CMOS S/LOGIC)	1	
IC9603,04	C0JBAZ001604	IC	2	
IC9605	C1ZBZ0002329	IC	1	
IC9606	PST9128NR	IC (LOGIC)	1	
IC9608	C0ZBZ0000764	IC	1	
IC9701	MN102L230	IC	1	
IC9702	C3EBJC000038	IC	1	
IC9703	C0JBAZ001604	IC	1	
IC9704	HM538123BJ8Z	IC	1	
IC9705	TVRJ953-2	IC	1	
IC9706	TC74LCX244F	MOS IC (CMOS S/LOGIC)	1	
IC9707	C0JBAE000283	IC	1	
IC9708	S-24C16AFJ	INTEGRATED CIRCUIT	1	
IC9709	TVRJ950-3	IC	1	
IC9709	M51957BFP	LINEAR IC	1	
	+	INTEGRATED CIRCUIT	1	
IC9711 IC9800	AHC2G66HDCTR C0DBAFH00021	IC IC	1	
	+	IC	1	
IC9951 IC9952	C0DBAMH00006 C0DBAFH00021	IC	1	
109952	CUDBAFFIUUU21	IC	1	
13	K1KA40A00140	40B CONNECTOR	1	
J3	K1KA40A00140	40P CONNECTOR		
J5	K1KA31B00004	31P CONNECTOR	1	
J6	K1KA21B00005	21P CONNECTOR	1	
J8	K1KA20A00180	20P CONNECTOR	1	
J10	K1KA06A00183	6P CONNECTOR	1	
J11-13	K1KB80B00023	80P CONNECTOR	3	
J14	K1KA22A00067	22P CONNECTOR	1	
JK3001	K1CB106B0027	CONNECTOR	1	
JK3002	K1QBB2AB0005	CONNECTOR	1	
JK3004	K2HA204B0097	JACK	1	
JK3303	K2HA204B0097	JACK	1	
JK3304	K1QBB5AB0005	CONNECTOR	1	
JK3509	K1FB109B0058	CONNECTOR	1	
JK3511	K1FB115B0034	CONNECTOR	1	
JK3513	K2HC103B0105	JACK	1	
JK8500	K4BC02B00013	TERMINAL	1	
0110000	144200220010	1 Entimity is	•	
JS2301	ERJ6GEY0R00	M 0 OHM, 1/10W	1	
JS3301-12	J0JCC0000100	CHIP INDUCTOR	12	
JS3501-03	ERJ6GEY0R00	M 0 OHM, 1/10W	3	
JS3506-08	ERJ6GEY0R00	M 0 OHM, 1/10W	3	
JS8092-97	TSK1032	BEAD CHOKE	6	
000002 01	10111002	DEAD OHORE		
L401	EXCELDR25C	BEAD CHOKE	1	
L402	EXCELSA24	BEAD CHOKE	1	
L403	EXCELSA35	BEAD CHOKE	1	
L404	J0JBC0000032	CHIP INDUCTOR	1	
L502	EXCELDR25C	BEAD CHOKE	1	
L503	ELELN100KA	CHIP INDUCTOR	1	
L504	G0A151ZA0038	CHOKE COIL	1	
L505-07	EXCELDR25C	BEAD CHOKE	3	
		,,		

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
L801	G1C101ZA0037	INDUCTION COIL	1	
L802	G1C121ZA0037	INDUCTION COIL	1	
L803	G1C680ZA0037	INDUCTION COIL	1	
L901,02	G0BYYYL00004	CHOKE COIL	2	Δ
L903	G0A101L00002	CHOKE COIL	1	Δ
L904	G0A100GA0013	CHOKE COIL	1	
L905	ELF17N011A	LINE FILTER	1	Δ
L906	EXCELDR35C	BEAD CHOKE	1	
L951-60	ELKE103FA	NOISE FILTER	10	
L1001	ELJPA100KB	CHIP INDUCTOR	1	
L2306	ELJPA100KB	CHIP INDUCTOR	1	
L2330,31	TAL10RP221LB	INDUCTION COIL	2	
L3001	ELJPA100KB	CHIP INDUCTOR	1	(J)
L3001	J0HABB000003	LC FILTER	1	(HY)
L3002	ELJPA100KB	CHIP INDUCTOR	1	(J)
L3002	J0HABB000004	LC FILTER	1	(HY)
L3003	ELJPA100KB	CHIP INDUCTOR	1	(J)
L3003	J0HABB000004	LC FILTER	1	(HY)
L3005	ELJPA100KB	CHIP INDUCTOR	1	(J)
L3005	J0JCC0000100	CHIP INDUCTOR	1	(HY)
L3005	ELJPA100KB	CHIP INDUCTOR	1	(J)
L3006	J0E8004B0008	LC FILTER	1	(HY)
L3007	G1C2R2K00006	INDUCTION COIL	1	(,
L3050	ELJPA100KB	CHIP INDUCTOR	1	
L3051,52	ELJNA1R5JF	COIL	2	
L3101-04	ELJPA100KB	CHIP INDUCTOR	4	
L3107	J0JGC0000021	CHIP INDUCTOR COIL	1	
L3108	ELJPA100KB	CHIP INDUCTOR	1	
L3201	ELJPA100KB	CHIP INDUCTOR	1	
L3251,52	ELJPA2R2MF	CHIP INDUCTOR	2	
L3303	ELJPA100KB	CHIP INDUCTOR	1	
L3305-08	ELKE103FA	NOISE FILTER	4	
L3507-09	J0HABB000004	LC FILTER	3	
L3510-17	TLK212T256AL	EMI FILTER	8	
L3525	J0HABB000003	LC FILTER	1	
L3526	ELJPA100KB	CHIP INDUCTOR	1	(HX)
L3526	J0HABB000003	LC FILTER	1	(HY)
L3527-29	J0HABB000004	LC FILTER	3	(,
L3530,31	J0HABB000003	LC FILTER	2	
L3532,33	ELJPA100KB	CHIP INDUCTOR	2	
L3555	ELJPA100KB	CHIP INDUCTOR	1	
L6431	J0JJC0000021	CHIP INDUCTOR	1	
L6451	J0JJC0000021	CHIP INDUCTOR	1	
L6453	G0ZZ00002183	PEAKING COIL	1	
L6471	J0JJC0000021	CHIP INDUCTOR	1	
L6472	G0ZZ00002183	PEAKING COIL	1	
L6518	G0ZZ00002183	PEAKING COIL	1	
L6602,03	G0ZZ00002183	PEAKING COIL	2	
L6607,08	J0JJC000021	CHIP INDUCTOR	2	
L6611-15	G0A1R0L00001	CHOKE COIL	5	
L6618-21	G0ZZ00002183	PEAKING COIL	4	
L6623-29	G0ZZ00002183	PEAKING COIL	7	
L6636-51	G0ZZ00002183	PEAKING COIL	16	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
L6661,62	J0JJC0000021	CHIP INDUCTOR	2	
L6701-04	G0A1R0L00001	CHOKE COIL	4	
L6705-08	G0ZZ00002183	PEAKING COIL	4	
L6713	G0ZZ00002183	PEAKING COIL	1	
L6714	G0C101K00023	PEAKING COIL	1	
L6715-37	G0ZZ00002183	PEAKING COIL	23	
L6752-55	G0ZZ00002183	PEAKING COIL	4	
L6758,59	J0JJC000021	CHIP INDUCTOR	2	
L6761,62	J0JJC0000021	CHIP INDUCTOR	2	
L6767	G0A1R0L00001	CHOKE COIL	1	
L6802	G0ZZ00002183	PEAKING COIL	1	
L6803	J0JJC0000011	CHIP INDUCTOR	1	
L6804-06	J0JJC0000011	CHIP INDUCTOR	3	
L6807,08	G0ZZ00002183	PEAKING COIL	2	
L6816-23	J0JJC0000011	CHIP INDUCTOR	8	
L6825-28	TLPF097	CHOKE COIL	4	
L6832	G0ZZ00002183	PEAKING COIL	1	
L6900,01	J0JJC0000021	CHIP INDUCTOR	2	
L6902	G0ZZ00002183	PEAKING COIL	1	
L6903	J0JJC0000011	CHIP INDUCTOR	1	
L6904,05	G0ZZ00002183	PEAKING COIL	2	
L6906	J0JJC0000021	CHIP INDUCTOR	1	
L6916-23	J0JJC0000011	CHIP INDUCTOR	8	
L6925	TLPF097	CHOKE COIL	1	
L6930-33	TLPF097	CHOKE COIL	4	
L6947	G0ZZ00002183	PEAKING COIL	1	
L7101-08	J0JJC0000011	CHIP INDUCTOR	8	
L7201-06	J0JJC0000011	CHIP INDUCTOR	6	
L7301-08	J0JJC0000011	CHIP INDUCTOR	8	
L7401-08	J0JJC0000011	CHIP INDUCTOR	8	
L7501-06	J0JJC0000011	CHIP INDUCTOR	6	
L7601-08	J0JJC0000011	CHIP INDUCTOR	8	
L8001-07	ELJPA100KB	CHIP INDUCTOR	7	
L8501,02	G0A2R5H00003	CHOKE COIL	2	
L9001-03	ELKE103FA	NOISE FILTER	3	
L9008-10	ELKE103FA	NOISE FILTER	3	
L9309	ELJFA1R0KF	CHIP COIL	1	
L9452	ELJFA1R0KF	CHIP COIL	1	
L9459	ELKE103FA	NOISE FILTER	1	
L9701	ELKE103FA	NOISE FILTER	1	
L9800	G1C1R5Z00002	INDUCTION COIL	1	
L9951-54	ELKE103FA	NOISE FILTER	4	
L9955	G1C470M00012	INDUCTOR COIL	1	
L9956	G1C1R5Z00002	INDUCTION COIL	1	
-				
PF1	K1KA03A00181	3P CONNECTOR	1	
PF9	K1KA03A00181	3P CONNECTOR	1	
PF10	K1KA06A00220	6P CONNECTOR	1	
			<u> </u>	
PR401	K5Y502B00007	FUSE	1	
PR502	ICP-N50T104	PROTECTOR	1	
PR509,10	K5H501Z00005	FUSE	2	
. 11003,10	.3011001200003	7.002		
Q401	B1DHBD000002	TRANSISTOR	1	
	2.22500002	11001010101		

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
Q403	2SD1819A	TRANSISTOR	1	
Q404	2SB1386RT100	TRANSISTOR	1	
Q406	B1DELQ000002	TRANSISTOR	1	
Q407	XP0460100L	TRANSISTOR	1	
Q410	B1CEJQ000001	TRANSISTOR	1	
Q411	UN5213	TRANSISTOR	1	
Q412,13	B1DEER000003	TRANSISTOR	2	
Q414,15	B1DEGQ000030	TRANSISTOR	2	
Q416	XP0460100L	TRANSISTOR	1	
Q420,21	2SD1819A	TRANSISTOR	2	
Q501,02	2SD1820A	TRANSISTOR	2	
Q503	UN5111	TRANSISTOR	1	
Q504	2SK3065T100	FET	1	
2506	XP4401	TRANSISTOR	1	
Q508	B1GBCFNA0010	TRANSISTOR	1	
Q509	XP4401	TRANSISTOR	1	
Q510	2SB1218ARL	TRANSISTOR	1	
Q511	B1CBGD000001	TRANSISTOR	1	
Q512	B1DHBD000002	TRANSISTOR	1	
Q513	B1CBGD000001	TRANSISTOR	1	
Q514	B1MBACA00005	TRANSISTOR	1	
Q515	2SK3065T100	FET	1	
Q516	B1DHBD000002	TRANSISTOR	1	
Q517	XP4401	TRANSISTOR	1	
2517 2518	B1MBACA0005	TRANSISTOR	1	
2519 2519	2SK3065T100	FET	1	
Q520	B1HFCFA00015	TRANSISTOR	1	
Q521	2SD1819A	TRANSISTOR	1	
2521 2522	UN5111	TRANSISTOR	1	
			1	
Q524 Q525	2SD1819A	TRANSISTOR	1	
Q525	XP0460100L	TRANSISTOR		
Q527 D528	B1DAFM000003	TRANSISTOR	1	
Q528	2SD1819A	TRANSISTOR	1	
Q530	XP4501TX	TRANSISTOR	1	
Q531	2SD23750P	TRANSISTOR	1	
Q532	2SD1819A	TRANSISTOR	1	
Q535	2SD1819A	TRANSISTOR	1	
Q537	B1CHND000003	TRANSISTOR	1	
Q540	B1DHBD000002	TRANSISTOR	1	
Q541	B1CBGD000001	TRANSISTOR	1	
Q542	XP0460100L	TRANSISTOR	1	
Q543	XP4401	TRANSISTOR	1	
Q544	UN5111	TRANSISTOR	1	
Q545	2SK3065T100	FET	1	
Q546	2SD1819A	TRANSISTOR	1	
Q547	2SD1119	TRANSISTOR	1	
Q550-52	UN5213	TRANSISTOR	3	
Q903	2SC3311A	TRANSISTOR	1	
Q1540	2SD601A	TRANSISTOR	1	
Q2301-03	2SD601A	TRANSISTOR	3	
Q2305,06	2SD601A	TRANSISTOR	2	
Q2330,31	2SD1266A	TRANSISTOR	2	
Q2333,34	2SD601A	TRANSISTOR	2	
Q2370	2SB709A	TRANSISTOR	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
Q2406	2SD601A	TRANSISTOR	1	
Q2408	2SD601A	TRANSISTOR	1	
Q2410	2SD601A	TRANSISTOR	1	
Q3001	2SB709A	TRANSISTOR	1	
Q3002-05	2SD601A	TRANSISTOR	4	
Q3007	2SB709A	TRANSISTOR	1	
Q3023	2SD601A	TRANSISTOR	1	
Q3051,52	2SD601A	TRANSISTOR	2	
Q3101	2SB709A	TRANSISTOR	1	(HY)
Q3101	2SD601A	TRANSISTOR	1	(J)
Q3102	2SD1030	TRANSISTOR	1	(HY)
Q3102,03	2SD601A	TRANSISTOR	2	(J)
Q3104	2SD1030	TRANSISTOR	1	(HY)
Q3104-06	2SD601A	TRANSISTOR	3	(J)
Q3401	2SD601A	TRANSISTOR	1	
Q3403	2SD601A	TRANSISTOR	1	
Q3501	2SD601A	TRANSISTOR	1	
Q3502	2SB709A	TRANSISTOR	1	
Q3503-05	2SD601A	TRANSISTOR	3	
Q3506	2SB709A	TRANSISTOR	1	
Q3531,32	2SD601A	TRANSISTOR	2	
Q6431	B1BBCJ000003	TRANSISTOR	1	
Q6432	2SB709A	TRANSISTOR	1	
Q6435	2SD601A	TRANSISTOR	1	
Q6451	B1BBCJ000003	TRANSISTOR	1	
Q6452	2SB709A	TRANSISTOR	1	
Q6454	2SD814A	TRANSISTOR	1	
Q6455	2SD601A	TRANSISTOR	1	
Q6471	B1BBCJ000003	TRANSISTOR	1	
Q6472	2SB709A	TRANSISTOR	1	
Q6474	2SD814A	TRANSISTOR	1	
Q6475-77	2SD601A	TRANSISTOR	3	
Q6491	2SD1263A	TRANSISTOR	1	
Q6492	2SC1473A	TRANSISTOR	1	
Q6511,12	B1DFGL000005	TRANSISTOR	2	
Q6513	2SK620	FET	1	
Q6520	2SD601A	TRANSISTOR	1	
Q6521	B1DEDS000001	TRANSISTOR	1	
Q6522	2SK620	FET	1	
Q6523	2SB1073001TV	TRANSISTOR	1	
Q6524,25	2SD2185	TRANSISTOR	2	
Q6526	2SB1073001TV	TRANSISTOR	1	
Q6530-39	2SK349400L	FET	10	
Q6540-49	2SK373100L	TRANSISTOR	10	
Q6550	2SC1473A	TRANSISTOR	1	
Q6551	2SD601A	TRANSISTOR	1	
Q6552	B1DADU000001	TRANSISTOR	1	
Q6553,54	2SK349400L	FET	2	
Q6555,56	2SK373100L	TRANSISTOR	2	
Q6557,58	2SK620	FET	2	
Q6561	2SB1073001TV	TRANSISTOR	1	
Q6562-64	B1DEDS000001	TRANSISTOR	3	
Q6581	2SD601A	TRANSISTOR	1	
Q6601-10	B1DEJM00005	TRANSISTOR	10	
		-		

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
Q6611	2SD2185	TRANSISTOR	1	
Q6612	2SB1073001TV	TRANSISTOR	1	
Q6613	2SD2185	TRANSISTOR	1	
Q6614	2SB1073001TV	TRANSISTOR	1	
Q6616,17	2SK620	FET	2	
Q6621,22	B1DEJM000003	TRANSISTOR	2	
Q6624,25	B1DEJM000003	TRANSISTOR	2	
Q6627	2SD2185	TRANSISTOR	1	
Q6628	2SB1073001TV	TRANSISTOR	1	
Q6629	2SD2185	TRANSISTOR	1	
Q6630	2SB1073001TV	TRANSISTOR	1	
Q6641,42	2SK3192000LB	FET	2	
Q6645	2SD2185	TRANSISTOR	1	
Q6646	2SB1073001TV	TRANSISTOR	1	
Q6671	2SB940A	TRANSISTOR	1	
Q6672	2SD1263A	TRANSISTOR	1	
Q6673	2SC1473A	TRANSISTOR	1	
Q6701	2SD2185	TRANSISTOR	1	
Q6702	2SB1073001TV	TRANSISTOR	1	
Q6711-20	B1DEJM000005	TRANSISTOR	10	
Q6721-24	B1DEJM000003	TRANSISTOR	4	
Q6725	2SK620	FET	1	
	B1DFHM000002	TRANSISTOR	2	
Q6727,28		FET	2	
Q6729,30	2SK326800L			
Q6731	2SD1263A	TRANSISTOR	1	
Q6732	2SD2185	TRANSISTOR	1	
Q6733	2SB1073001TV	TRANSISTOR	1	
Q6734	2SD2185	TRANSISTOR	1	
Q6735	2SB1073001TV	TRANSISTOR	1	
Q6736	2SD2185	TRANSISTOR	1	
Q6737	2SB1073001TV	TRANSISTOR	1	
Q6738,39	2SC1473A	TRANSISTOR	2	
Q6741	2SD601A	TRANSISTOR	1	
Q6744	2SD2185	TRANSISTOR	1	
Q6745	2SB1073001TV	TRANSISTOR	1	
Q6811-16	2SK326900L	FET	6	
Q6817	2SD2185	TRANSISTOR	1	
Q6818	2SB1073001TV	TRANSISTOR	1	
Q6819	2SD2185	TRANSISTOR	1	
Q6820	2SB1073001TV	TRANSISTOR	1	
Q6821	2SB1193000LB	TRANSISTOR	1	
Q6822	2SD2185	TRANSISTOR	1	
Q6823	2SB1073001TV	TRANSISTOR	1	
Q6824	2SK326900L	FET	1	
Q6911-16	2SK326900L	FET	6	
Q6917	2SD2185	TRANSISTOR	1	
Q6918	2SB1073001TV	TRANSISTOR	1	
Q6919	2SD2185	TRANSISTOR	1	
Q6920	2SB1073001TV	TRANSISTOR	1	
Q6921	2SB1193000LB	TRANSISTOR	1	
Q6922	2SD2185	TRANSISTOR	1	
Q6923	2SB1073001TV	TRANSISTOR	1	
Q6924	2SK326900L	FET	1	
Q7401,02	2SB709A	TRANSISTOR	2	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
Q8001,02	2SD601A	TRANSISTOR	2	Romano
Q8010	2SD601A	TRANSISTOR	1	
Q8011	2SB709A	TRANSISTOR	1	
Q8012	2SD601A	TRANSISTOR	1	
Q8013	2SB709A	TRANSISTOR	1	
Q9001,02	2SD601A	TRANSISTOR	2	
Q9301	2SD601A	TRANSISTOR	1	
Q9400	2SD601A	TRANSISTOR	1	
Q9591-94	2SD601A	TRANSISTOR	4	
Q9596-99	2SD601A	TRANSISTOR	4	
Q9601,02	2SD601A	TRANSISTOR	2	
Q9701	2SD601A	TRANSISTOR	1	
Q9702	2SB1440	TRANSISTOR	1	
Q9703,04	2SK2731T146	TRANSISTOR	2	
Q9706	2SK2731T146	TRANSISTOR	1	
Q9707	2SB709A	TRANSISTOR	1	
Q9708,09	2SD601A	TRANSISTOR	2	
Q9710	2SB709A	TRANSISTOR	1	
Q9714-17	2SD601A	TRANSISTOR	4	
Q9719	2SK620	FET	1	
R401-03	ERJ6ENF2003	M 200KOUM 4/40W	-	
		M 200KOHM, 1/10W	3	
R405-07	ERJ6ENF2003	M 200KOHM, 1/10W	3	
R409	ERJ6ENF3602	M 36KOHM, 1/10W	1	
R410	ERF10TJ200	W 20 OHM, 10W	1	
R411	D1FZ100E0002	F 10 OHM	1	
R412	ERF10TJ200	W 20 OHM, 10W	1	
R413	D1FZ100E0002	F 10 OHM	1	
R414	ERJ8GEYJ153	M 15KOHM, J,1/8W	1	
R415	ERJ6GEYJ103	M 10KOHM,J,1/10W	1	
R417	ERJ6ENF4303	M 430KOHM, 1/10W	1	
R421	ERJ6GEYJ333	M 33KOHM,J,1/10W	1	
R423	ERJ6GEYJ2R2	M 2.2 OHM,J,1/10W	1	
R424	ERJ6GEYJ223	M 22KOHM,J,1/10W	1	
R425	ERJ6GEYJ332	M 3.3KOHM,J,1/10W	1	
R426	ERJ6GEYJ103	M 10KOHM,J,1/10W	1	
R427	ERJ8GEYJ4R7	M 4.7 OHM, J,1/8W	1	
R428	ERJ6GEYJ103	M 10KOHM,J,1/10W	1	
R429	ERJ6GEYJ153	M 15KOHM,J,1/10W	1	
R430	ERJ6ENF4303	M 430KOHM, 1/10W	1	
R431	ERJ6GEYJ103	M 10KOHM,J,1/10W	1	
R432	ERJ6GEYJ473	M 47KOHM,J,1/10W	1	
R433	ERJ6ENF1202	M 12KOHM, 1/10W	1	
R434	ERJ8GEYJ2R2	M 2.2 OHM, J,1/8W	1	
R435	ERJ6GEY0R00	M 0 OHM, 1/10W	1	
R436	ERJ8GEYJ153	M 15KOHM, J,1/8W	1	
R437	ERJ6GEYJ103	M 10KOHM,J,1/10W	1	
R438	ERJ6GEYJ331	M 330 OHM,J,1/10W	1	
R439	ERJ14YJ120	M 12 OHM, J,1/4W	1	
R440	ERJ8GEYJ474	M 470KOHM, J,1/8W	1	
R441,42	ERJ6EKF6803	M 680KOHM, 1/10W	2	
R443	EVMAASA00B23	CONTROL 2KOHMB	1	
R444	ERJ6GEYJ123	M 12KOHM,J,1/10W	1	
R445	ERJ6GEY0R00	M 0 OHM, 1/10W	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R448-50	D0XGR10JA007	RESISTOR ARRAY	3	Romano
R451	ERJ6GEYJ333	M 33KOHM,J,1/10W	1	
R452	ERJ6GEYJ103	M 10KOHM,J,1/10W	1	
R454	ERJ6GEYJ103	M 10KOHM,J,1/10W	1	
R456	ERJ6GEYJ333	M 33KOHM,J,1/10W	1	
R458	ERJ6GEYJ472	M 4.7KOHM,J,1/10W	1	
R462	ERJ6ENF4303	M 430KOHM, 1/10W	1	
R463	ERJ6GEYJ333	M 33KOHM,J,1/10W	1	
R464	ERJ6ENF3302	M 33KOHM, 1/10W	1	
R465	ERJ6ENF5603	M 560KOHM, 1/10W	1	
R466	D0C3104JA014	M 100KOHM, J,1/3W	1	
R467	ERJ6GEYJ102	M 1KOHM,J,1/10W	1	
R468-70	ERJ6GEYJ474	M 470KOHM,J,1/10W	3	
R471			1	
	ERJ6GEYJ332	M 3.3KOHM,J,1/10W		
R472,73	ERJ6ENF5603	M 560KOHM, 1/10W	2	
R474	ERJ6GEYJ102	M 1KOHM,J,1/10W	1	
R475	ERJ6EKF6803	M 680KOHM, 1/10W	1	
R476,77	ERJ8GEYJ300	M 30 OHM, J,1/8W	2	
R478	ERJ8GEYJ681	M 680 OHM, J,1/8W	1	
R481	ERJ14YJ621	M 620 OHM, J,1/4W	1	
R482	ERJ8GEYJ681	M 680 OHM, J,1/8W	1	
R483	ERJ14YJ621	M 620 OHM, J,1/4W	1	
R484,85	ERJ8GEYJ300	M 30 OHM, J,1/8W	2	
R486	ERJ6GEYJ332	M 3.3KOHM,J,1/10W	1	
R489	ERJ6GEYJ332	M 3.3KOHM,J,1/10W	1	
R493	ERJ14YJ120	M 12 OHM, J,1/4W	1	
R494-96	ERJ6ENF5603	M 560KOHM, 1/10W	3	
R497	ERJ6ENF2402	M 24KOHM, 1/10W	1	
R498	ERJ6GEYJ392	M 3.9KOHM,J,1/10W	1	
R499	ERJ8GEYJ4R7	M 4.7 OHM, J,1/8W	1	
R500	ERJ6GEYJ472	M 4.7KOHM,J,1/10W	1	
R501	ERJ6GEYJ103	M 10KOHM,J,1/10W	1	
R502,03	ERJ6GEYJ104	M 100KOHM,J,1/10W	2	
R504	ERDS2TJ102	C 1KOHM, J,1/4W	1	
R505	ERDS2TJ220	C 22 OHM, J,1/4W	1	
R506	ERDS2TJ102	C 1KOHM, J,1/4W	1	
R507	ERJ6GEYJ221	M 220 OHM,J,1/10W	1	
R508	ERJ6GEYJ102	M 1KOHM,J,1/10W	1	
R509	ERJ6GEYJ103	M 10KOHM,J,1/10W	1	
R510	ERJ6GEYJ100	M 10 OHM,J,1/10W	1	
R512	ERJ6GEYJ103	M 10KOHM,J,1/10W	1	
R513,14	ERJ6GEYJ104	M 100KOHM,J,1/10W	2	
R515	ERDS2TJ102	C 1KOHM, J,1/4W	1	
R516	ERJ6GEYJ102	M 1KOHM,J,1/10W	1	
R517	ERJ6GEYJ103	M 10KOHM,J,1/10W	1	
R518	ERJ6GEYJ101	M 100 OHM,J,1/10W	1	
R519,20	ERJ6GEYJ104	M 100KOHM,J,1/10W	2	
R521,22	ERJ8GEYJ100	M 10 OHM, J,1/8W	2	
R524	ERJ6GEYJ102	M 1KOHM,J,1/10W	1	
R527	ERJ6GEYJ223	M 22KOHM,J,1/10W	1	
R528	ERDS2TJ102	C 1KOHM, J,1/4W	1	
R529	ERJ6ENF1002	M 10KOHM, 1/10W	1	
R530	ERJ6ENF9531	M9.53KOHM, 1/10W	1	
R532	ERJ6GEYJ103	M 10KOHM,J,1/10W	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R534-36	ERJ6GEYJ104	M 100KOHM,J,1/10W	3	iveillai və
R537	ERJ6ENF5602	M 56KOHM, 1/10W	1	
R538-40	ERJ6GEYJ104	M 100KOHM,J,1/10W	3	
R541-44	ERJ1TRQJR47	M 0.47KHM,J, 1W	4	
R545	ERJ6GEYJ103	M 10KOHM,J,1/10W	1	
R546	ERJ6ENF2202	M 2.2KOHM, 1/10W	1	
R547-50	ERJ6GEYJ223	M 22KOHM,J,1/10W	4	
R551	ERJ8GEYJ471	M 470 OHM, J,1/8W	1	
R553	ERJ6ENF7501	M 7.5KOHM, 1/10W	1	
R554	ERJ6ENF1002	M 10KOHM, 1/10W	1	
R555,56	ERJ8GEYJ332	M 3.3KOHM, J,1/8W	2	
R557	ERJ6GEYJ100	M 10 OHM,J,1/10W	1	
R558	ERJ6ENF2702	M 27KOHM, 1/10W	1	
R559	ERJ8GEYJ471	M 470 OHM, J,1/8W	1	
R563	ERJ6GEYJ4R7	M 4.7 OHM, J,1/10W	1	
R564	ERJ6GEYJ102		1	
		M 1KOHM,J,1/10W	1	
R565	ERJ6ENF2201	M 2.2KOHM, 1/10W		
R566	ERJ6GEYJ331	M 330 OHM,J,1/10W	1	
R567	ERJ6ENF1202	M 12KOHM, 1/10W	1	
R568	ERJ1TRQJR47	M 0.47KHM,J, 1W	1	
R569	ERJ6ENF3301	M 3.3KOHM, 1/10W	1	
R570	ERJ6ENF1003	M 100KOHM, 1/10W	1	
R571	ERJ6ENF8201	M 8.2KOHM, 1/10W	1	
R572	ERJ6ENF4701	M 4.7KOHM, 1/10W	1	
R573	ERJ6ENF3301	M 3.3KOHM, 1/10W	1	
R574	ERJ6GEYJ331	M 330 OHM,J,1/10W	1	
R575	ERJ6GEYJ4R7	M 4.7 OHM,J,1/10W	1	
R576	ERJ6ENF1002	M 10KOHM, 1/10W	1	
R577	ERJ6GEYJ104	M 100KOHM,J,1/10W	1	
R578	ERJ6ENF2201	M 2.2KOHM, 1/10W	1	
R579	ERJ6GEYJ103	M 10KOHM,J,1/10W	1	
R580	ERJ6ENF4701	M 4.7KOHM, 1/10W	1	
R581	ERJ6GEYJ332	M 3.3KOHM,J,1/10W	1	
R582	ERJ6ENF1002	M 10KOHM, 1/10W	1	
R583	ERJ6ENF7501	M 7.5KOHM, 1/10W	1	
R584	ERJ6ENF1002	M 10KOHM, 1/10W	1	
R585	ERJ6ENF3302	M 33KOHM, 1/10W	1	
R586	ERJ6GEYJ103	M 10KOHM,J,1/10W	1	
R587	ERJ8GEYJ471	M 470 OHM, J,1/8W	1	
R588	ERJ6ENF4420	M 442 OHM, 1/10W	1	
R589	ERJ6GEYJ103	M 10KOHM,J,1/10W	1	
R590	ERJ6GEYJ332	M 3.3KOHM,J,1/10W	1	
R592	ERJ6ENF3001	M 3KOHM, 1/10W	1	
R593	ERJ6ENF5601	M 5.6KOHM, 1/10W	1	
R594	ERJ6GEYJ332	M 3.3KOHM,J,1/10W	1	
R595	ERJ6GEYJ103	M 10KOHM,J,1/10W	1	
R596	ERJ6ENF1002	M 10KOHM, 1/10W	1	
R597	ERJ6GEYJ473	M 47KOHM,J,1/10W	1	
R598	ERJ6GEYJ101	M 100 OHM,J,1/10W	1	
R599	ERJ6GEYJ332	M 3.3KOHM,J,1/10W	1	
R600	ERJ8ENF3900	M 390 OHM, 1/8W	1	
R601	ERJ6GEYJ332	M 3.3KOHM,J,1/10W	1	
R602,03	ERJ6ENF1002	M 10KOHM, 1/10W	2	
R604	ERJ6GEYJ391	M 390 OHM,J,1/10W	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R605,06	ERJ6GEYJ332	M 3.3KOHM,J,1/10W	2	- Tromaine
R608	D3CA61020010	M1.0 KOHM,J,0.5W	1	
R609	ERJ6GEYJ822	M 8.2KOHM,J,1/10W	1	
R610	ERJ6GEYJ222	M 2.2KOHM,J,1/10W	1	
R611	ERJ8GEYJ471	M 470 OHM, J,1/8W	1	
R612	ERJ6GEYJ102	M 1KOHM,J,1/10W	1	
R613	ERJ6ENF2202	M 2.2KOHM, 1/10W	1	
R614	ERJ6ENF5601		1	
	+	M 5.6KOHM, 1/10W M 33KOHM, 1/10W	1	
R615	ERJ6ENF3302	,		
R624	ERX1SJR47P	M0.47 OHM, J, 1W	1	
R631	ERJ8GEYJ243	M 24KOHM, J,1/8W	1	
R632	ERJ6GEYJ102	M 1KOHM,J,1/10W	1	
R634	ERJ6ENF4700	M 470 OHM, 1/10W	1	
R635	ERJ6ENF1071	M1.07KOHM, 1/10W	1	
R636-39	ERJ8ENF3902	M 39K OHM, 1/8W	4	
R640	ERJ6ENF3001	M 3KOHM, 1/10W	1	
R641	EVMAASA00B33	CONTROL 3KOHMB	1	
R642-45	ERJ8ENF3902	M 39K OHM, 1/8W	4	
R646	ERJ6GEYJ473	M 47KOHM,J,1/10W	1	
R649	ERJ6GEYJ223	M 22KOHM,J,1/10W	1	
R650	ERJ6GEYJ103	M 10KOHM,J,1/10W	1	
R651	ERG1SJ221	M 220 OHM, J, 1W	1	
R652	ERJ6GEYJ103	M 10KOHM,J,1/10W	1	
R653,54	ERJ6GEYJ332	M 3.3KOHM,J,1/10W	2	
R656,57	ERJ8GEYJ332	M 3.3KOHM, J,1/8W	2	
R658	ERJ6ENF6201	M 6.2KOHM, 1/10W	1	
R659	ERJ6ENF2202	M 2.2KOHM, 1/10W	1	
R660	ERJ6ENF1202	M 12KOHM, 1/10W	1	
R661	EVMAASA00B53	CONTROL 5KOHMB	1	
R662	ERJ6ENF1503	M 150KOHM, 1/10W	1	
R663	ERJ6GEYJ222	M 2.2KOHM,J,1/10W	1	
R664	ERJ6ENF9531	M9.53KOHM, 1/10W	1	
R665	EVMAASA00B23	CONTROL 2KOHMB	1	
R666	ERJ6ENF9101	M 9.1KOHM, 1/10W	1	
R667	ERJ6ENF5101	M 5.1KOHM, 1/10W	1	
R668	ERJ6ENF2401	M 2.4KOHM, 1/10W	1	
R669	ERJ6ENF1503	M 150KOHM, 1/10W	1	
R670,71		M 2.2KOHM, 1/10W	2	
-	ERJ6ENF2202		1	
R672	ERJ6ENF1502	M 15KOHM, 1/10W	1	
R673	ERJ6ENF5101	M 5.1KOHM, 1/10W		
R674,75	ERJ8GEYJ124	M 120KOHM, J,1/8W	2	
R676	ERJ8GEYJ243	M 24KOHM, J,1/8W	1	
R677	ERJ6GEYJ104	M 100KOHM,J,1/10W	1	
R678	ERDS2TJ223	C 22KOHM, J,1/4W	1	
R679,80	ERJ6ENF2202	M 2.2KOHM, 1/10W	2	
R681	ERJ6GEYJ154	M 150KOHM,J,1/10W	1	
R682,83	ERJ3GEYJ2R2	M 2.2 OHM,J,1/16W	2	
R685	ERJ6GEYJ102	M 1KOHM,J,1/10W	1	
R686	ERJ6GEYJ332	M 3.3KOHM,J,1/10W	1	
R687	ERJ6GEYJ102	M 1KOHM,J,1/10W	1	
R688	ERJ6GEYJ154	M 150KOHM,J,1/10W	1	
R689	ERG3SJ101	M 100 OHM, J, 3W	1	
R690	ERJ6ENF3002	M 30KOHM, 1/10W	1	
R691-93	ERJ8GEYJ124	M 120KOHM, J,1/8W	3	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R694	ERJ6GEYJ220	M 22 OHM,J,1/10W	1	Kemarks
R695-97	ERJ8GEYJ124	M 120KOHM, J,1/8W	3	
R698	ERJ6GEYJ4R7	M 4.7 OHM,J,1/10W	1	
R699	ERJ6GEYJ103	M 10KOHM,J,1/10W	1	
R803	ERJ6ENF1001	M 1KOHM, 1/10W	1	
R805	ERJ6ENF1001	M 1KOHM, 1/10W	1	
R806,07	ERJ6ENF15R0	M 15 OHM, 1/10W	2	
R808	ERJ6GEYJ470	M 47 OHM,J,1/10W	1	
R809	ERJ6ENF1201	M 1.2KOHM, 1/10W	1	
R810	ERJ6ENF5100	M 510 OHM, 1/10W	1	
R901,02	ERC12ZGK105	S 1MOHM, K,1/2W	2	
R903	ERF7TK3R3	W 3.3 OHM, K, 7W	1	
R904	ERG2FJS683D	M 68KOHM, J, 2W	1	
R905	ERDS2TJ330	C 33 OHM, J,1/4W	1	
R906	ERDS1FJ3R3	C 3.3 OHM, J,1/2W	1	
R907	ERDS2TJ120		1	
		C 12 OHM, J,1/4W C 100 OHM, J,1/4W	1	
R920	ERDS2TJ101	. ,		
R921	ERDS2TJ222	C 2.2KOHM, J,1/4W	1	
R922	ERDS2TJ472	C 4.7KOHM, J,1/4W	1	
R923	ER0S2CKF2202	M 22KOHM, F,1/4W	1	
R924	ER0S2CKF2402	M 24KOHM, F,1/4W	1	
R925	ER0S2CKF1002	M 10KOHM, F,1/4W	1	
R926	ERDS2TJ332	C 3.3KOHM, J,1/4W	1	
R927	ERDS2TJ473	C 47KOHM, J,1/4W	1	
R928	ERDS2TJ222	C 2.2KOHM, J,1/4W	1	
R951,52	ERJ6GEYJ101	M 100 OHM,J,1/10W	2	
R1001,02	ERJ6GEYJ560	M 56 OHM,J,1/10W	2	
R1003	ERJ3GEYJ101	M 100 OHM,J,1/16W	1	
R1500	ERJ6GEY0R00	M 0 OHM, 1/10W	1	
R1510	ERJ3GEYF222	M 2.2KOHM, 1/16W	1	
R1511	ERJ3GEYF332	M 3.3KOHM, 1/16W	1	
R1512,13	ERJ3GEYF472	M 4.7KOHM, 1/16W	2	
R1550	ERJ6GEYJ102	M 1KOHM,J,1/10W	1	
R1551	ERJ6GEYJ470	M 47 OHM,J,1/10W	1	
R1552	ERJ6GEYJ224	M 220KOHM,J,1/10W	1	
R1553	ERJ6GEYJ471	M 470 OHM,J,1/10W	1	
R1554	ERJ6GEYJ271	M 270 OHM,J,1/10W	1	
R1555,56	TAJAAH0470JV	M 47 OHM,J,1/16W	2	
R2301	ERJ6GEYJ472	M 4.7KOHM,J,1/10W	1	
R2304	ERJ6GEYJ473	M 47KOHM,J,1/10W	1	
R2305,06	ERJ6GEYJ223	M 22KOHM,J,1/10W	2	
R2309	ERJ6GEYJ472	M 4.7KOHM,J,1/10W	1	
R2310	ERJ6GEYJ562	M 5.6KOHM,J,1/10W	1	
R2319,20	ERJ6GEYJ561	M 560 OHM,J,1/10W	2	
R2321	ERJ6GEY0R00	M 0 OHM, 1/10W	1	
R2324,25	ERJ6GEYJ561	M 560 OHM,J,1/10W	2	
R2331	ERJ6GEY0R00	M 0 OHM, 1/10W	1	
R2332	ERJ6GEYJ182	M 1.8KOHM,J,1/10W	1	
R2333	ERJ6GEYJ471	M 470 OHM,J,1/10W	1	
R2341	ERJ6GEYJ103	M 10KOHM,J,1/10W	1	
R2343	ERJ6GEYJ103	M 10KOHM,J,1/10W	1	
R2346	ERJ6GEYJ123	M 12KOHM,J,1/10W	1	
R2347	ERJ6GEYJ473	M 47KOHM,J,1/10W	1	
R2348	ERJ6GEYJ103	M 10KOHM,J,1/10W	1	
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Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R2350	ERJ6GEYJ472	M 4.7KOHM,J,1/10W	1	Romano
R2351-54	ERJ6GEYJ103	M 10KOHM,J,1/10W	4	
R2355-60	ERDS1FJ2R2	C 2.2 OHM, J,1/2W	6	
R2365,66	ERX1FJSR56D	M0.56 OHM, J, 1W	2	
R2367	ERJ6GEYJ332	M 3.3KOHM,J,1/10W	1	
R2368,69	ERJ6GEYJ103	M 10KOHM,J,1/10W	2	
R2370	ERJ6GEYJ222	M 2.2KOHM,J,1/10W	1	
R2371,72	ERJ6GEYJ102	M 1KOHM,J,1/10W	2	
R2373	ERJ6GEYJ103	M 10KOHM,J,1/10W	1	
R2408	ERJ6GEYJ103	M 10KOHM,J,1/10W	1	
R2410	ERJ6GEYJ103	M 10KOHM,J,1/10W	1	
R2431	ERJ6GEYJ123	M 12KOHM,J,1/10W	1	
R2434	ERJ6GEYJ472	M 4.7KOHM,J,1/10W	1	
R2438	ERJ6GEYJ101	M 100 OHM,J,1/10W	1	
R2439	ERJ6GEYJ563	M 56KOHM,J,1/10W	1	
R2440	ERJ6GEY0R00	M 0 OHM, 1/10W	1	
R2441	ERJ6GEYJ123	M 12KOHM,J,1/10W	1	
R2445	ERJ6GEY0R00	M 0 OHM, 1/10W	1	
R2448	ERJ6GEYJ102	M 1KOHM, J,1/10W	1	
R2450	ERJ6GEYJ563	M 56KOHM,J,1/10W	1	
R2452	ERJ6GEYJ473	M 47KOHM,J,1/10W	1	
R2453	ERJ6GEYJ103	M 10KOHM,J,1/10W	1	
R2456	ERJ6GEYJ103	M 10KOHM,J,1/10W	1	
			1	
R2457	ERJ6GEYJ333	M 33KOHM,J,1/10W	1	
R2460	ERJ6ENF1802	M 18KOHM, 1/10W	2	
R2461,62	ERJ6GEYJ101	M 100 OHM,J,1/10W	+	
R2463	ERJ6ENF1502	M 15KOHM, 1/10W	1	
R2464	ERJ6GEYJ101	M 100 OHM,J,1/10W	1	
R2466	ERJ6GEYJ104	M 100KOHM,J,1/10W	1	
R2467	ERJ6GEYJ224	M 220KOHM,J,1/10W	1	
R2468	ERJ6GEYJ472	M 4.7KOHM,J,1/10W	1	
R2469	ERJ6GEYJ104	M 100KOHM,J,1/10W	1	
R2470	ERJ6GEYJ472	M 4.7KOHM,J,1/10W	1	
R2471	ERJ6GEYJ182	M 1.8KOHM,J,1/10W	1	
R2472	ERJ6GEYJ472	M 4.7KOHM,J,1/10W	1	
R2473	ERJ6GEYJ182	M 1.8KOHM,J,1/10W	1	
R2476,77	ERJ6GEYJ220	M 22 OHM,J,1/10W	2	
R2480	ERJ6GEYJ102	M 1KOHM,J,1/10W	1	
R2481,82	ERJ6GEYJ153	M 15KOHM,J,1/10W	2	
R2483	ERJ6GEYJ102	M 1KOHM,J,1/10W	1	
R2484	ERJ6GEYJ333	M 33KOHM,J,1/10W	1	
R2485	ERJ6GEY0R00	M 0 OHM, 1/10W	1	
R3001	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	(J)
R3001	ERJ6ENF75R0	M 75 OHM, 1/10W	1	(HY)
R3002	ERJ3GEYJ102	M 1KOHM,J,1/16W	1	(J)
R3002	ERJ6ENF75R0	M 75 OHM, 1/10W	1	(HY)
R3003	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	(HY)
R3003	ERJ3GEYJ473	M 47KOHM,J,1/16W	1	(J)
R3004	ERJ3GEYJ101	M 100 OHM,J,1/16W	1	
R3005	ERJ6ENF75R0	M 75 OHM, 1/10W	1	(HY)
R3005	ERJ6GEYJ472	M 4.7KOHM,J,1/10W	1	(J)
R3006	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	(HY)
R3006	ERJ6GEYJ472	M 4.7KOHM,J,1/10W	1	(J)
R3007	ERJ3GEYJ104	M 100KOHM,J,1/16W	1	(HY)

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R3007	TSK1032	BEAD CHOKE	1	(J)
R3008	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	(HY)
R3008	TSK1032	BEAD CHOKE	1	(J)
R3009	ERJ3GEYJ101	M 100 OHM,J,1/16W	1	(J)
R3009	TAJAAH0101JV	M 100 OHM,J,1/16W	1	(HY)
R3010	ERJ3GEYJ101	M 100 OHM,J,1/16W	1	(J)
R3010	ERJ3GEYJ153	M 15KOHM,J,1/16W	1	(HY)
R3011	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	(HY)
R3011	ERJ3GEYJ153	M 15KOHM,J,1/16W	1	(J)
R3012	ERJ3GEYJ333	M 33KOHM,J,1/16W	1	(J)
R3012	ERJ3GEYJ752	M 7.5KOHM,J,1/16W	1	(HY)
R3013	ERJ3GEYJ153	M 15KOHM,J,1/16W	1	(1)
R3013	ERJ3GEYJ472	M 4.7KOHM,J,1/16W	1	(HY)
R3014	ERJ3GEYJ333	M 33KOHM,J,1/16W	1	(J)
R3014	ERJ3GEYJ752	M 7.5KOHM,J,1/16W	1	(HY)
R3015	ERJ3GEYJ472	M 4.7KOHM,J,1/16W	1	(HY)
R3015-22	TSK1032	BEAD CHOKE	8	(J)
R3025	ERJ3GEYJ101	M 100 OHM,J,1/16W	1	(0)
R3026	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	/ N
R3026	ERJ3GEYJ332	M 3.3KOHM,J,1/16W	1	(J) (HY)
R3027	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	1, ,
R3027	ERJ3GEYJ153		1	(J)
R3027	ERJ3GEYJ103	M 15KOHM,J,1/16W	1	(HY)
		M 10KOHM,J,1/16W	1	(J)
R3028	ERJ3GEYJ820	M 82 OHM,J,1/16W		(HY)
R3029	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R3030	TSK1032	BEAD CHOKE	1	/UV)
R3031	ERJ3EKF1800	M 180 OHM, 1/16W	1	(HY)
R3031	TSK1032	BEAD CHOKE	1	(J)
R3032	ERJ3EKF6200	M 620 OHM, 1/16W	1	(HY)
R3032	TSK1032	BEAD CHOKE	1	(J)
R3033	TAJAAH0101JV	M 100 OHM,J,1/16W	1	(HY)
R3033	TSK1032	BEAD CHOKE	1	(J)
R3034	ERJ3GEYJ331	M 330 OHM,J,1/16W	1	ana
R3035	ERJ3GEYJ102	M 1KOHM,J,1/16W	1	(HY)
R3035,36	ERJ3GEYJ331	M 330 OHM,J,1/16W	2	(J)
R3036	ERJ6ENF1800	M 180 OHM, 1/10W	1	(HY)
R3037	TSK1032	BEAD CHOKE	1	4.0
R3038	ERJ3GEYJ272	M 2.7KOHM,J,1/16W	1	(J)
R3038	TSK1032	BEAD CHOKE	1	(HY)
R3039	ERJ3GEYJ331	M 330 OHM,J,1/16W	1	
R3040	ERJ3EKF3300	M 330 OHM, 1/16W	1	(HY)
R3040,41	ERJ3GEYJ331	M 330 OHM,J,1/16W	2	(J)
R3042	ERJ3EKF6801	M 6.8KOHM, 1/16W	1	(HY)
R3042,43	TSK1032	BEAD CHOKE	2	(J)
R3044	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R3045	ERJ3EKF2200	M 220 OHM, 1/16W	1	(HY)
R3045	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	(J)
R3046	ERJ3EKF1000	M 100 OHM, 1/16W	1	(HY)
R3046	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	(J)
R3047	ERJ3GEYJ102	M 1KOHM,J,1/16W	1	(HY)
R3047	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	(J)
R3048	ERJ3GEYJ334	M 330KOHM,J,1/16W	1	(J)
R3048	TAJAAH0101JV	M 100 OHM,J,1/16W	1	(HY)
R3049	ERJ3GEYJ102	M 1KOHM,J,1/16W	1	(HY)

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R3049	ERJ3GEYJ334	M 330KOHM,J,1/16W	1	(J)
R3050	ERJ3GEYJ560	M 56 OHM,J,1/16W	1	(J)
R3050	ERJ6ENF75R0	M 75 OHM, 1/10W	1	(HY)
R3051	ERJ3GEYJ333	M 33KOHM,J,1/16W	1	(HY)
R3051	ERJ3GEYJ334	M 330KOHM,J,1/16W	1	(J)
R3052	ERJ3GEYJ333	M 33KOHM,J,1/16W	1	(HY)
R3052	ERJ3GEYJ334	M 330KOHM,J,1/16W	1	(J)
R3053	ERJ3GEYJ153	M 15KOHM,J,1/16W	1	(HY)
R3053	ERJ3GEYJ560	M 56 OHM,J,1/16W	1	(J)
R3054	ERJ3GEYJ333	M 33KOHM,J,1/16W	1	(HY)
R3054	ERJ3GEYJ560	M 56 OHM,J,1/16W	1	
		- ' '	1	(J)
R3055	ERJ3GEYJ153	M 15KOHM,J,1/16W	1	(HY)
R3055	ERJ3GEYJ334	M 330KOHM,J,1/16W		(J)
R3056	ERJ3GEYJ333	M 33KOHM,J,1/16W	1	(HY)
R3056	ERJ3GEYJ334	M 330KOHM,J,1/16W	1	(J)
R3057	ERJ3GEYJ560	M 56 OHM,J,1/16W	1	(J)
R3057	TAJAAH0101JV	M 100 OHM,J,1/16W	1	(HY)
R3058	ERJ3GEYJ560	M 56 OHM,J,1/16W	1	(J)
R3058	TAJAAH0101JV	M 100 OHM,J,1/16W	1	(HY)
R3059	ERJ3GEYJ101	M 100 OHM,J,1/16W	1	
R3060	ERJ3GEYJ102	M 1KOHM,J,1/16W	1	(HY)
R3060	ERJ6GEY0R00	M 0 OHM, 1/10W	1	(J)
R3061	ERJ3GEYJ561	M 560 OHM,J,1/16W	1	(HY)
R3061	ERJ6GEY0R00	M 0 OHM, 1/10W	1	(J)
R3062	ERJ3GEYJ561	M 560 OHM,J,1/16W	1	
R3063	ERJ3GEYJ101	M 100 OHM,J,1/16W	1	
R3064	ERJ6GEYJ560	M 56 OHM,J,1/10W	1	
R3065	ERJ6GEY0R00	M 0 OHM, 1/10W	1	(HY)
R3065-69	ERJ6GEYJ560	M 56 OHM,J,1/10W	5	(J)
R3070-75	ERJ6ENF75R0	M 75 OHM, 1/10W	6	
R3076-81	ERJ6GEYJ560	M 56 OHM,J,1/10W	6	
R3082.83	ERJ3GEYJ101	M 100 OHM,J,1/16W	2	
R3084,85	ERJ3GEYJ103	M 10KOHM,J,1/16W	2	
R3086,87	TSK1032	BEAD CHOKE	2	
R3088-93	ERJ6ENF75R0	M 75 OHM, 1/10W	6	
	ERJ3GEYJ331	-	3	
R3094-96		M 330 OHM,J,1/16W	_	
R3097,98	TSK1032	M 40KOUM 14/46W	2	
R3099,00	ERJ3GEYJ103	M 10KOHM,J,1/16W	2	(100)
R3101	ERJ3GEYJ220	M 22 OHM,J,1/16W	1	(HY)
R3101,02	ERJ6ENF1800	M 180 OHM, 1/10W	2	(J)
R3102	J0JCC0000100	CHIP INDUCTOR	1	(HY)
R3103	ERJ6ENF1800	M 180 OHM, 1/10W	1	
R3104	ERJ3GEYJ220	M 22 OHM,J,1/16W	1	(HY)
R3104,05	ERJ6ENF1800	M 180 OHM, 1/10W	2	(J)
R3106	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	(HY)
R3106	ERJ6ENF1800	M 180 OHM, 1/10W	1	(J)
R3107	ERJ3GEYJ330	M 33 OHM,J,1/16W	1	(HY)
R3107	TSK1032	BEAD CHOKE	1	(J)
R3108	J0JCC0000100	CHIP INDUCTOR	1	(HY)
R3108	TSK1032	BEAD CHOKE	1	(J)
R3112	ERJ3EKF1501	M 1.5KOHM, 1/16W	1	(HY)
R3112	TSK1032	BEAD CHOKE	1	(J)
R3113	ERJ3EKF1501	M 1.5KOHM, 1/16W	1	(HY)
R3113	TSK1032	BEAD CHOKE	1	(J)

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R3114	ERJ6ENF8200	M 820 OHM, 1/10W	1	(HY)
R3114	J0JCC0000100	CHIP INDUCTOR	1	(J)
R3115	ERJ3GEYJ102	M 1KOHM,J,1/16W	1	
R3116	TSK1032	BEAD CHOKE	1	
R3117	ERJ3GEYJ102	M 1KOHM,J,1/16W	1	(HY)
R3117	ERJ6ENF4701	M 4.7KOHM, 1/10W	1	(J)
R3118	ERJ6ENF1501	M 1.5KOHM, 1/10W	1	(J)
R3118	J0JCC0000100	CHIP INDUCTOR	1	(HY)
R3119	ERJ3GEYJ121	M 120 OHM,J,1/16W	1	
R3120	ERJ6GEY0R00	M 0 OHM, 1/10W	1	
R3121	ERJ3GEYJ121	M 120 OHM,J,1/16W	1	(HY)
R3121	ERJ6GEY0R00	M 0 OHM, 1/10W	1	(J)
R3122	ERJ3EKF8201	M 8.2KOHM, 1/16W	1	(HY)
R3122	ERJ6GEY0R00	M 0 OHM, 1/10W	1	(J)
R3123	ERJ3EKF1502	M 15KOHM, 1/16W	1	(HY)
R3123	ERJ6GEY0R00	M 0 OHM, 1/10W	1	(J)
R3124	ERJ3EKF10R0	M 10 OHM, 1/16W	1	(HY)
R3124,25	ERJ6GEY0R00	M 0 OHM, 1/10W	2	(J)
R3125	J0JCC0000100	CHIP INDUCTOR	1	(HY)
R3126	ERJ6GEY0R00	M 0 OHM, 1/10W	1	(J)
R3127	ERJ6ENF12R0	M 12 OHM, 1/10W	1	(HY)
R3127	ERJ6GEY0R00	M 0 OHM, 1/10W	1	(J)
R3128,29	ERJ3GEYJ181	M 180 OHM,J,1/16W	2	(J)
R3129	ERJ6ENF12R0	M 12 OHM, 1/10W	1	(HY)
R3130,31	ERJ3GEYJ181	M 180 OHM,J,1/16W	2	(J)
R3131	ERJ3GEYJ220	M 22 OHM,J,1/16W	1	(HY)
R3132,33	ERJ3GEYJ181	M 180 OHM,J,1/16W	2	(111)
R3135	ERJ6ENF10R0	M 10 OHM, 1/10W	1	
R3136-39	J0JCC0000100	CHIP INDUCTOR	4	
R3140	ERJ3GEYJ220	M 22 OHM,J,1/16W	1	(HY)
R3140,41	ERJ3GEYJ473	M 47KOHM,J,1/16W	2	1, ,
R3143	+	CHIP INDUCTOR	1	(J)
	J0JCC0000100		2	
R3144,45	ERJ3GEYJ102 ERJ3GEYJ220	M 1KOHM,J,1/16W	2	
R3148,49		M 22 OHM,J,1/16W	1	
R3151	ERJ3GEYJ220	M 22 OHM, J, 1/16W		
R3152	ERJ3GEYJ561	M 560 OHM, J, 1/16W	1	
R3153	ERJ3GEYJ221	M 220 OHM, J, 1/16W	1	
R3154,55	ERJ3GEYJ331	M 330 OHM,J,1/16W	2	
R3156	ERJ3GEYJ561	M 560 OHM,J,1/16W	1	
R3157	ERJ3GEYJ221	M 220 OHM,J,1/16W	1	
R3158	ERJ3GEYJ182	M 1.8KOHM,J,1/16W	1	
R3159	ERJ6GEY0R00	M 0 OHM, 1/10W	1	ana
R3160	ERJ3EKF2701	M 2.7KOHM, 1/16W	1	(HY)
R3160	ERJ3GEYJ562	M 5.6KOHM,J,1/16W	1	(J)
R3161	ERJ3EKF2701	M 2.7KOHM, 1/16W	1	(HY)
R3161	ERJ3GEYJ562	M 5.6KOHM,J,1/16W	1	(J)
R3162,63	ERJ3EKF2701	M 2.7KOHM, 1/16W	2	
R3164-67	J0JCC0000100	CHIP INDUCTOR	4	
R3168	ERJ3EKF2000	M 200 OHM, 1/16W	1	
R3169-72	ERJ6ENF75R0	M 75 OHM, 1/10W	4	
R3173	ERJ3EKF2200	M 220 OHM, 1/16W	1	
R3174	J0JCC0000100	CHIP INDUCTOR	1	
R3177	ERJ3EKF1401	M 1.4KOHM, 1/16W	1	
R3178	ERJ3EKF1101	M 1.1KOHM, 1/16W	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R3179	ERJ3EKF1401	M 1.4KOHM, 1/16W	1	
R3180	ERJ3EKF1101	M 1.1KOHM, 1/16W	1	
R3181	ERJ3EKF1401	M 1.4KOHM, 1/16W	1	
R3182	ERJ3EKF1101	M 1.1KOHM, 1/16W	1	
R3183	ERJ3EKF1401	M 1.4KOHM, 1/16W	1	
R3184	ERJ3EKF1101	M 1.1KOHM, 1/16W	1	
R3185	ERJ6GEY0R00	M 0 OHM, 1/10W	1	
R3188,89	ERJ6ENF75R0	M 75 OHM, 1/10W	2	(J)
R3189	J0JCC0000100	CHIP INDUCTOR	1	(HY)
R3190	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	(HY)
R3190	ERJ6ENF75R0	M 75 OHM, 1/10W	1	(J)
R3191	ERJ14YJ330	M 33 OHM, J,1/4W	1	(J)
R3191	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	(HY)
R3192-94	ERJ14YJ330	M 33 OHM, J,1/4W	3	(111)
R3195,96	ERJ3GEYJ103	M 10KOHM,J,1/16W	2	
R3197,98	ERJ3GEYJ123	M 12KOHM,J,1/16W	2	
R3199-02	ERJ6ENF1800	M 180 OHM, 1/10W	4	(1)
R3202	J0JCC0000100	CHIP INDUCTOR	1	(J) (HY)
R3202	ERJ6ENF1800	M 180 OHM, 1/10W	1	(J)
R3203	J0JCC0000100	CHIP INDUCTOR	1	(HY)
R3204	ERJ6ENF1800	M 180 OHM, 1/10W	1	(111)
R3204		CHIP INDUCTOR	1	
	J0JCC0000100 ERJ6GEYJ101		2	
R3210,11		M 100 OHM,J,1/10W	4	
R3212-15	ERJ3GEYJ472	M 4.7KOHM,J,1/16W	1	
R3216-19	ERJ6GEYJ3R3	M 3.3KOHM,J,1/10W	2	
R3230,31	ERJ6GEYJ101	M 100 OHM, J, 1/10W		
R3251	TAJAAH0101JV	M 100 OHM,J,1/16W	1	
R3252	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	(100)
R3253	ERJ3GEYJ472	M 4.7KOHM,J,1/16W	1	(HY)
R3253	TSK1032	BEAD CHOKE	1	(J)
R3254	ERJ6ENF4701	M 4.7KOHM, 1/10W	1	
R3255	ERJ6ENF8200	M 820 OHM, 1/10W	1	
R3256	TSK1032	BEAD CHOKE	1	
R3257	ERJ6ENF1501	M 1.5KOHM, 1/10W	1	
R3259	TSK1032	BEAD CHOKE	1	
R3260-62	ERJ6ENF75R0	M 75 OHM, 1/10W	3	
R3297,98	TSK1032	BEAD CHOKE	2	
R3300,01	ERJ3EKF1501	M 1.5KOHM, 1/16W	2	
R3302	ERJ3GEYJ203	M 20KOHM,J,1/16W	1	
R3303,04	ERJ3GEYJ220	M 22 OHM,J,1/16W	2	
R3305-09	ERJ3GEYJ103	M 10KOHM,J,1/16W	5	
R3313,14	ERJ3GEYJ103	M 10KOHM,J,1/16W	2	
R3317,18	ERJ3GEYJ333	M 33KOHM,J,1/16W	2	
R3334	J0JCC0000100	CHIP INDUCTOR	1	
R3337,38	ERJ3GEYJ220	M 22 OHM,J,1/16W	2	
R3400	ERJ6GEYJ103	M 10KOHM,J,1/10W	1	
R3401	ERJ3EKF2701	M 2.7KOHM, 1/16W	1	
R3402	ERJ3EKF1801	M 1.8KOHM, 1/16W	1	
R3403	ERJ3EKF2701	M 2.7KOHM, 1/16W	1	
R3404	ERJ3EKF1801	M 1.8KOHM, 1/16W	1	
R3405	ERJ3EKF2701	M 2.7KOHM, 1/16W	1	
R3406	ERJ3EKF1801	M 1.8KOHM, 1/16W	1	
R3407	ERJ6ENF2201	M 2.2KOHM, 1/10W	1	
R3408	ERJ3GEYJ473	M 47KOHM,J,1/16W	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R3409	ERJ6ENF6800	M 680 OHM, 1/10W	1	
R3410	ERJ6ENF2201	M 2.2KOHM, 1/10W	1	
R3411	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R3412	ERJ6GEYJ102	M 1KOHM,J,1/10W	1	
R3413	ERJ3EKF1800	M 180 OHM, 1/16W	1	
R3418	ERJ3GEYJ102	M 1KOHM,J,1/16W	1	
R3501,02	ERJ6GEYJ184	M 180KOHM,J,1/10W	2	
R3506-09	ERJ6GEYJ472	M 4.7KOHM,J,1/10W	4	
R3510,11	ERJ6GEYJ101	M 100 OHM,J,1/10W	2	
R3514-17	TAJAAH0101JV	M 100 OHM,J,1/16W	4	
R3521,22	ERJ3GEYJ472	M 4.7KOHM,J,1/16W	2	
R3525-28	ERJ3GEYJ103	M 10KOHM,J,1/16W	4	
R3529	ERJ6GEYJ184	M 180KOHM,J,1/10W	1	(HX)
R3529	TAJAAH0101JV		1	(HY)
R3530		M 100 OHM,J,1/16W	1	. ,
	ERJ6GEYJ184	M 180KOHM,J,1/10W	1	(HX)
R3530	TAJAAH0101JV	M 100 OHM,J,1/16W	1	(HY)
R3531,32	ERJ3GEYJ3R3	M 3.3 OHM,J,1/16W	2	
R3535,36	ERJ3GEYJ102	M 1KOHM,J,1/16W	2	
R3538,39	TAJAAH0101JV	M 100 OHM,J,1/16W	2	
R3544,45	ERJ3GEYJ472	M 4.7KOHM,J,1/16W	2	
R3546,02	ERJ3GEYJ3R3	M 3.3 OHM,J,1/16W	2	
R3547,48	ERJ6GEYJ101	M 100 OHM,J,1/10W	2	
R3585,86	ERJ6GEYJ560	M 56 OHM,J,1/10W	2	
R3589	ERJ6GEYJ473	M 47KOHM,J,1/10W	1	
R3590	ERJ6GEYJ560	M 56 OHM,J,1/10W	1	
R3591-93	ERJ6GEY0R00	M 0 OHM, 1/10W	3	
R3653	ERJ6GEYJ153	M 15KOHM,J,1/10W	1	
R3654	ERJ6GEYJ333	M 33KOHM,J,1/10W	1	
R3655	ERJ6GEYJ153	M 15KOHM,J,1/10W	1	
R3656	ERJ6GEYJ333	M 33KOHM,J,1/10W	1	
R3663,64	ERJ6GEYJ102	M 1KOHM,J,1/10W	2	
R3668	ERJ6GEYJ101	M 100 OHM,J,1/10W	1	
R3672	ERJ6GEYJ101	M 100 OHM,J,1/10W	1	
R3776,77	ERJ6GEYJ101	M 100 OHM,J,1/10W	2	
R3778	ERJ6GEYJ473	M 47KOHM,J,1/10W	1	
R3790,91	ERJ6GEYJ101	M 100 OHM,J,1/10W	2	
R6401-06	ERJ6GEYJ221	M 220 OHM,J,1/10W	6	
R6407,08	ERJ6GEYJ103	M 10KOHM,J,1/10W	2	
R6409	ERJ6GEYJ224	M 220KOHM,J,1/10W	1	
R6410	ERJ6GEYJ103	M 10KOHM,J,1/10W	1	
R6411	ERJ6GEYJ224	M 220KOHM,J,1/10W	1	
R6412	ERJ6GEYJ103	M 10KOHM,J,1/10W	1	
R6421-26	ERJ6GEYJ221	M 220 OHM,J,1/10W	6	
R6427-30	ERJ6GEYJ103	M 10KOHM,J,1/10W	4	
R6431,32	ERJ6GEYJ224	M 220KOHM,J,1/10W	2	
R6433	ERJ6GEYJ104	M 100KOHM,J,1/10W	1	
R6434	ERDS1FJ221	C 220 OHM, J,1/2W	1	
R6435	ERJ6GEYJ332	M 3.3KOHM,J,1/10W	1	
R6436	ERJ6ENF1543	M 154KOHM, 1/10W	1	
R6437	ERJ6GEY0R00	M 0 OHM, 1/10W	1	
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R6438	ERJ6ENF2201	M 2.2KOHM, 1/10W	1	
R6439,40	ERJ6GEYJ222	M 2.2KOHM,J,1/10W	2	
R6441,42	ERJ12YJ1R0	M 1 OHM, J,1/2W	2	
R6443	ERJ6GEYJ472	M 4.7KOHM,J,1/10W	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R6444	ERJ6GEYJ103	M 10KOHM,J,1/10W	1	
R6445,46	ERJ6GEYJ151	M 150 OHM,J,1/10W	2	
R6448	ERJ6GEY0R00	M 0 OHM, 1/10W	1	
R6449	ERJ6GEYJ333	M 33KOHM,J,1/10W	1	
R6451,52	ERJ12Y0R00	M 0 OHM,J, 1/2W	2	
R6453	ERJ6GEYJ223	M 22KOHM,J,1/10W	1	
R6454	ERDS1FJ221	C 220 OHM, J,1/2W	1	
R6455	ERJ6GEYJ332	M 3.3KOHM, J,1/10W	1	
R6456	ERJ6ENF4533	M 453KOHM, 1/10W	1	
R6457,58	ERJ6ENF1002	M 10KOHM, 1/10W	2	
R6459	ERJ14YJ104	M 100KOHM, J,1/4W	1	
R6460	ERJ6GEYJ103		1	
	ERJ6GEY0R00	M 10KOHM,J,1/10W	1	
R6463		M 0 OHM, 1/10W	1	
R6464	ERG2FJS273D ERX2FJS8R2D	M 27KOHM, J, 2W	1	
R6465		M 8.2 OHM, J, 2W		
R6466	ERJ6GEYJ222	M 2.2KOHM, J,1/10W	1	
R6467	ERJ6GEYJ182	M 1.8KOHM,J,1/10W	1	
R6468	ERJ6GEYJ472	M 4.7KOHM,J,1/10W	1	
R6469	ERJ12YJ1R0	M 1 OHM, J,1/2W	1	
R6470	ERJ6GEYJ333	M 33KOHM,J,1/10W	1	
R6471	ERJ12YJ1R0	M 1 OHM, J,1/2W	1	
R6473	ERJ6GEYJ223	M 22KOHM,J,1/10W	1	
R6474	ERDS1FJ221	C 220 OHM, J,1/2W	1	
R6475	ERJ6GEYJ332	M 3.3KOHM,J,1/10W	1	
R6476	ERJ6ENF3243	M 324KOHM, 1/10W	1	
R6478	ERJ6ENF6981	M6.98KOHM, 1/10W	1	
R6479	ERJ6GEYJ104	M 100KOHM,J,1/10W	1	
R6480	ERJ6GEYJ103	M 10KOHM,J,1/10W	1	
R6482	ERJ6GEYJ472	M 4.7KOHM,J,1/10W	1	
R6483	ERJ6GEYJ102	M 1KOHM,J,1/10W	1	
R6484	ERJ6GEYJ472	M 4.7KOHM,J,1/10W	1	
R6485,86	ERJ6GEYJ103	M 10KOHM,J,1/10W	2	
R6487	ERJ6GEYJ472	M 4.7KOHM,J,1/10W	1	
R6488	ERJ6GEYJ103	M 10KOHM,J,1/10W	1	
R6489	ERJ6GEYJ472	M 4.7KOHM,J,1/10W	1	
R6490	ERJ6GEYJ100	M 10 OHM,J,1/10W	1	
R6491	ERJ6GEYJ104	M 100KOHM,J,1/10W	1	
R6492,93	ERJ6ENF2203	M 220KOHM, 1/10W	2	
R6494	ERJ6ENF1432	M14.3KOHM, 1/10W	1	
R6495	ERJ6ENF5231	M5.23KOHM, 1/10W	1	
R6496	ERJ6GEYJ102	M 1KOHM,J,1/10W	1	
R6497	ERJ6GEYJ103	M 10KOHM,J,1/10W	1	
R6498,99	ERX1FJS8R2D	M 8.2 OHM, J, 1W	2	
R6500	ERJ6GEYJ182	M 1.8KOHM,J,1/10W	1	
R6501-09	ERJ6GEYJ222	M 2.2KOHM,J,1/10W	9	
R6510	ERJ6GEYJ101	M 100 OHM,J,1/10W	1	
R6511,12	ERX3FJS2R2D	M 2.2 OHM, J, 3W	2	
R6513	ERJ6GEYJ100	M 10 OHM,J,1/10W	1	
R6514	ERJ6GEYJ471	M 470 OHM,J,1/10W	1	
R6515	ERJ6GEYJ104	M 100KOHM,J,1/10W	1	
R6516	ERJ6GEYJ100	M 10 OHM,J,1/10W	1	
R6517	ERJ6GEYJ471	M 470 OHM,J,1/10W	1	
R6518	ERJ6GEYF103	M 10KOHM,F,1/10W	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R6520	ERJ6GEYJ103	M 10KOHM,J,1/10W	1	
R6521	ERJ6GEYJ104	M 100KOHM,J,1/10W	1	
R6522	ERJ6GEY0R00	M 0 OHM, 1/10W	1	
R6524	ERJ6ENF1801	M 1.8KOHM, 1/10W	1	
R6525	ERJ6GEYJ104	M 100KOHM,J,1/10W	1	
R6526	ERJ6GEYJ470	M 47 OHM,J,1/10W	1	
R6527	ERJ14YJ102	M 1KOHM, J,1/4W	1	
R6528	ERJ6GEYJ102	M 1KOHM,J,1/10W	1	
R6529	ERJ6GEYJ680	M 68 OHM,J,1/10W	1	
R6530-39	ERJ6GEYJ470	M 47 OHM,J,1/10W	10	
R6540-49	ERJ6GEYJ100	M 10 OHM,J,1/10W	10	
R6550	ERJ6GEYJ470	M 47 OHM,J,1/10W	1	
R6551	ERJ6GEYJ102	M 1KOHM,J,1/10W	1	
R6552	ERJ6GEYJ101	M 100 OHM,J,1/10W	1	
R6553	ERJ6GEYJ151	M 150 OHM,J,1/10W	1	
R6554,55	ERJ6GEYJ104	M 100KOHM,J,1/10W	2	
R6556	ERJ6GEYJ392	M 3.9KOHM,J,1/10W	1	
R6557	ERG1FJS471D	M 470 OHM, J, 1W	1	
	ERJ6GEYJ103	- ' '		
R6558		M 10KOHM,J,1/10W	1	
R6559	ERJ6GEYJ222	M 2.2KOHM,J,1/10W	1	
R6560,61	ERJ6GEYJ470	M 47 OHM,J,1/10W	2	
R6562-64	ERJ6GEYJ5R6	M 5.6 OHM,J,1/10W	3	
R6565	ERG1FJS332D	M 3.3KOHM, J, 1W	1	
R6566	ERJ6GEY0R00	M 0 OHM, 1/10W	1	
R6567,68	ERJ6ENF1003	M 100KOHM, 1/10W	2	
R6569	ERJ6ENF1002	M 10KOHM, 1/10W	1	
R6571-78	ERJ6GEYJ471	M 470 OHM,J,1/10W	8	
R6579	ERJ6GEYJ100	M 10 OHM,J,1/10W	1	
R6580	ERJ6GEYJ103	M 10KOHM,J,1/10W	1	
R6581	ERJ6GEYJ101	M 100 OHM,J,1/10W	1	
R6582,83	ERJ6GEYJ104	M 100KOHM,J,1/10W	2	
R6584	ERJ6GEYJ223	M 22KOHM,J,1/10W	1	
R6585,86	ERJ6GEYJ152	M 1.5KOHM,J,1/10W	2	
R6587	ERJ6GEYJ103	M 10KOHM,J,1/10W	1	
R6588	ERJ6GEYJ222	M 2.2KOHM,J,1/10W	1	
R6589	ERJ6GEYJ103	M 10KOHM,J,1/10W	1	
R6590,91	ERJ6GEYJ102	M 1KOHM,J,1/10W	2	
R6592,93	ERJ6GEYJ224	M 220KOHM,J,1/10W	2	
R6594	ERJ6GEYJ104	M 100KOHM,J,1/10W	1	
R6595,96	ERJ6GEYJ472	M 4.7KOHM,J,1/10W	2	
R6600	ERD25V0T	M OHM, 1/10W	1	
R6601,02	ERJ6GEYJ470	M 47 OHM,J,1/10W	2	
R6603	ERJ6GEYJ103	M 10KOHM,J,1/10W	1	
R6604	ERJ6GEYJ100	M 10 OHM,J,1/10W	1	
R6605-07	ERJ6GEYJ224	M 220KOHM,J,1/10W	3	
R6608	ERJ6GEYJ100	M 10 OHM,J,1/10W	1	
R6609	ERJ6GEYJ103	M 10KOHM,J,1/10W	1	
R6611-18	ERJ6GEYJ100	M 10 OHM,J,1/10W	8	
R6619-24	ERJ6GEYJ470	M 47 OHM,J,1/10W	6	
R6625	ERJ6GEYJ103	M 10KOHM,J,1/10W	1	
R6626	ERJ6GEYJ100	M 10 OHM,J,1/10W	1	
R6627	ERJ6GEYJ103	M 10KOHM,J,1/10W	1	
R6628	ERJ6GEYJ100	M 10 OHM,J,1/10W	1	
R6629,30	ERJ6GEYJ101	M 100 OHM,J,1/10W	2	·

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R6631-38	ERJ6GEYJ5R6	M 5.6 OHM,J,1/10W	8	
R6639	J0JCC0000100	CHIP INDUCTOR	1	
R6641,42	ERJ6GEYJ101	M 100 OHM,J,1/10W	2	
R6643,44	ERJ6GEYJ102	M 1KOHM,J,1/10W	2	
R6645,46	ERJ6GEYJ103	M 10KOHM,J,1/10W	2	
R6651-56	ERJ12Y0R00	M 0 OHM,J, 1/2W	6	
R6657-59	ERJ6GEYJ102	M 1KOHM,J,1/10W	3	
R6660-63	ERJ12Y0R00	M 0 OHM,J, 1/2W	4	
R6664-69	ERJ6GEYJ680	M 68 OHM,J,1/10W	6	
R6671	ERG2FJS820D	M 82 OHM, J, 2W	1	
R6672	ERX1FJS8R2D	M 8.2 OHM, J, 1W	1	
R6673	ERG1FJS103D	M 10KOHM, J, 1W	1	
R6674	ERJ12YJ101	M 100 OHM,J, 1/2W	1	
R6675	ERG2FJS223D	M 22KOHM, J, 2W	1	
R6676	ERJ6GEYJ473	M 47KOHM,J,1/10W	1	
R6677	ERJ6GEY0R00		1	
		M 0 OHM, 1/10W		
R6678	ERJ6GEYJ332	M 3.3KOHM,J,1/10W	1	
R6679	ERJ6GEYJ102	M 1KOHM,J,1/10W	1	
R6681	ERJ6GEYJ101	M 100 OHM,J,1/10W	1	
R6682,83	ERJ6GEYJ470	M 47 OHM,J,1/10W	2	
R6684	ERJ6GEYJ103	M 10KOHM,J,1/10W	1	
R6685,86	ERJ6GEYJ101	M 100 OHM,J,1/10W	2	
R6687,88	ERX2FJSR22D	M0.22 OHM, J, 2W	2	
R6689,90	ERJ12YJ220	M 22 OHM,J, 1/2W	2	
R6691	EXB38V471J	RESISTOR ARRAY	1	
R6692	EXB38V473J	RESISTOR ARRAY	1	
R6693	EXB38V471J	RESISTOR ARRAY	1	
R6694	EXB38V473J	RESISTOR ARRAY	1	
R6695	EXB38V471J	RESISTOR ARRAY	1	
R6696	EXB38V473J	RESISTOR ARRAY	1	
R6697	EXB38V471J	RESISTOR ARRAY	1	
R6698	EXB38V473J	RESISTOR ARRAY	1	
R6700	ERD25V0T	M OHM, 1/10W	1	
R6703	ERX3FJSR22D	M 2.2 OHM, J, 3W	1	
R6704	ERJ6GEYJ103	M 10KOHM,J,1/10W	1	
R6706	ERJ6GEYJ100	M 10 OHM,J,1/10W	1	
R6707	ERJ6GEYJ103	M 10KOHM,J,1/10W	1	ss
R6707,08	ERJ6GEYJ680	M 68 OHM,J,1/10W	2	
R6710	ERJ6GEYJ101	M 100 OHM,J,1/10W	1	
R6718	ERJ6GEYJ100	M 10 OHM,J,1/10W	1	
R6719-24	ERJ6GEYJ470	M 47 OHM,J,1/10W	6	
R6725	ERJ6GEYJ100	M 10 OHM,J,1/10W	1	
R6726	ERJ6GEYJ103	M 10KOHM,J,1/10W	1	
R6727	ERJ6GEYJ100	M 10 OHM,J,1/10W	1	
R6728	ERJ6GEYJ103	M 10KOHM,J,1/10W	1	
R6729,30	ERJ6GEYJ101	M 100 OHM,J,1/10W	2	
R6731-38	ERJ6GEYJ5R6	M 5.6 OHM,J,1/10W	8	
R6741,42	ERJ6GEYJ101	M 100 OHM,J,1/10W	2	
R6747	ERJ6GEYJ470	M 47 OHM,J,1/10W	1	
R6749	ERJ6GEYJ102	M 1KOHM,J,1/10W	1	
R6750	ERJ6GEY0R00	M 0 OHM, 1/10W	1	
	ERJ6GEYJ101	M 100 OHM,J,1/10W	2	
R6751.52				i .
R6751,52 R6753	ERJ6GEYJ100	M 10 OHM,J,1/10W	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R6756	ERJ6GEYJ470	M 47 OHM,J,1/10W	1	
R6757	ERJ6GEYJ101	M 100 OHM,J,1/10W	1	
R6758	ERJ6GEYJ103	M 10KOHM,J,1/10W	1	
R6759	ERG2FJS101D	M 100 OHM, J, 2W	1	
R6760	ERG1FJS472D	M 4.7KOHM, J, 1W	1	
R6761	ERG2FJS123D	M 12KOHM, J, 2W	1	
R6762	ERJ6GEYJ224	M 220KOHM,J,1/10W	1	
R6763	ERJ6GEYJ103	M 10KOHM,J,1/10W	1	
R6764	ERJ6GEYJ223	M 22KOHM,J,1/10W	1	
R6765,66	ERJ6GEYJ333	M 33KOHM,J,1/10W	2	
R6767	ERJ6GEYJ102	M 1KOHM,J,1/10W	1	
R6769	ERJ6GEY0R00	M 0 OHM, 1/10W	1	
R6772	ERJ6ENF1201	M 1.2KOHM, 1/10W	1	
R6775	ERJ6GEYJ224	M 220KOHM,J,1/10W	1	
R6776	ERJ6GEYJ103	M 10KOHM,J,1/10W	1	
R6777,78	ERJ6GEYJ104	M 100KOHM,J,1/10W	2	
R6779	ERJ6GEYJ223	M 22KOHM,J,1/10W	1	
	ERJ6GEYJ152	.,	2	
R6780,81		M 1.5KOHM,J,1/10W		
R6782	ERJ6GEYJ103	M 10KOHM,J,1/10W	1	
R6783	ERJ6GEYJ222	M 2.2KOHM,J,1/10W	1	
R6784	ERJ6GEYJ103	M 10KOHM,J,1/10W	1	
R6785	EXB38V471J	RESISTOR ARRAY	1	
R6786	EXB38V473J	RESISTOR ARRAY	1	
R6787	EXB38V471J	RESISTOR ARRAY	1 1	
R6788	EXB38V473J	RESISTOR ARRAY	1	
R6789,90	ERJ6GEYJ224	M 220KOHM,J,1/10W	2	
R6791-96	ERJ12Y0R00	M 0 OHM,J, 1/2W	6	
R6801	ERJ6GEYJ101	M 100 OHM,J,1/10W	1	
R6803,04	ERJ6GEYJ101	M 100 OHM,J,1/10W	2	
R6805	ERJ6GEYJ104	M 100KOHM,J,1/10W	1	
R6809	EXB38V471J	RESISTOR ARRAY	1	
R6810	EXB38V473J	RESISTOR ARRAY	1	
R6811,12	ERJ6GEYJ101	M 100 OHM,J,1/10W	2	
R6813	ERJ6GEYJ103	M 10KOHM,J,1/10W	1	
R6814	ERJ6GEYJ220	M 22 OHM,J,1/10W	1	
R6816	ERJ6GEYJ5R6	M 5.6 OHM,J,1/10W	1	
R6817	ERJ6GEYJ104	M 100KOHM,J,1/10W	1	
R6818	ERX2FJSR22D	M0.22 OHM, J, 2W	1	
R6820,21	ERJ6GEYJ101	M 100 OHM,J,1/10W	2	
R6822-25	ERJ6GEYJ220	M 22 OHM,J,1/10W	4	
R6827	ERJ6ENF6982	M69.8KOHM, 1/10W	1	
R6828	ERJ6ENF1182	M11.8KOHM, 1/10W	1	
R6829	ERJ6ENF4701	M 4.7KOHM, 1/10W	1	
R6830	ERJ6GEYJ101	M 100 OHM,J,1/10W	1	
R6831	ERJ6GEYJ474	M 470KOHM,J,1/10W	1	
R6832,33	ERJ6GEYJ222	M 2.2KOHM,J,1/10W	2	
R6835	ERJ6ENF3832	M38.3KOHM, 1/10W	1	
R6836	ERJ6ENF1002	M 10KOHM, 1/10W	1	
R6837	ERJ6GEYJ100	M 10 OHM,J,1/10W	1	
R6838	ERJ6GEYJ103	M 10KOHM,J,1/10W	1	
R6839	ERJ6GEYJ100	M 10 OHM,J,1/10W	1	
R6840	ERJ6GEYJ103	M 10KOHM,J,1/10W	1	
R6841			1	
	ERJ6ENF1302	M 13KOHM, 1/10W		
R6842,43	ERJ6ENF2202	M 2.2KOHM, 1/10W	2	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R6844	ERJ6GEYJ221	M 220 OHM,J,1/10W	1	Romano
R6845,46	ERF15ZXJ330	W 33 OHM, J, 15W	2	
R6847	ERJ6GEYJ100	M 10 OHM,J,1/10W	1	
R6849	ERJ6GEYJ5R6	M 5.6 OHM,J,1/10W	1	
R6850	ERJ6GEY0R00	M 0 OHM, 1/10W	1	
R6854	ERJ12Y0R00	M 0 OHM,J, 1/2W	1	
R6857	ERX2FJSR22D	M0.22 OHM, J, 2W	1	
R6874	ERJ12YJ220	M 22 OHM, J, 1/2W	1	
R6902	EXB38V471J	RESISTOR ARRAY	1	
R6903	EXB38V473J	RESISTOR ARRAY	1	
R6905	ERJ6GEYJ104	M 100KOHM,J,1/10W	1	
R6911,12	ERJ6GEYJ101	M 100 OHM,J,1/10W	2	
R6913			1	
	ERJ6GEYJ103	M 10KOHM,J,1/10W	1	
R6914	ERJ6GEYJ220	M 22 OHM, J, 1/10W		
R6916	ERJ6GEYJ5R6	M 5.6 OHM,J,1/10W	1	
R6917	ERJ6GEYJ104	M 100KOHM,J,1/10W	1	
R6920,21	ERJ6GEYJ101	M 100 OHM,J,1/10W	2	
R6922,23	ERJ6GEYJ220	M 22 OHM,J,1/10W	2	
R6924,25	ERJ6GEYJ5R6	M 5.6 OHM,J,1/10W	2	
R6927	ERJ6ENF6982	M69.8KOHM, 1/10W	1	
R6928	ERJ6ENF1182	M11.8KOHM, 1/10W	1	
R6929	ERJ6ENF4701	M 4.7KOHM, 1/10W	1	
R6930	ERJ6GEYJ101	M 100 OHM,J,1/10W	1	
R6931	ERJ6GEYJ474	M 470KOHM,J,1/10W	1	
R6932,33	ERJ6GEYJ222	M 2.2KOHM,J,1/10W	2	
R6935	ERJ6ENF3832	M38.3KOHM, 1/10W	1	
R6936	ERJ6ENF1002	M 10KOHM, 1/10W	1	
R6937	ERJ6GEYJ100	M 10 OHM,J,1/10W	1	
R6938	ERJ6GEYJ103	M 10KOHM,J,1/10W	1	
R6939	ERJ6GEYJ100	M 10 OHM,J,1/10W	1	
R6940	ERJ6GEYJ103	M 10KOHM,J,1/10W	1	
R6941	ERJ6ENF1302	M 13KOHM, 1/10W	1	
R6942,43	ERJ6ENF2202	M 2.2KOHM, 1/10W	2	
R6944	ERJ6GEYJ221	M 220 OHM,J,1/10W	1	
R6945,46	ERF15ZXJ330	W 33 OHM, J, 15W	2	
R6947	ERJ6GEYJ100	M 10 OHM,J,1/10W	1	
R6949	ERJ6GEYJ5R6	M 5.6 OHM,J,1/10W	1	
R7101-03	J0JCC0000100	CHIP INDUCTOR	3	
R7104	ERJ3GEYJ221	M 220 OHM,J,1/16W	1	
R7105,06	J0JCC0000100	CHIP INDUCTOR	2	
R7107	ERJ3GEYJ221	M 220 OHM,J,1/16W	1	
R7108	J0JCC0000100	CHIP INDUCTOR	1	
R7109	ERJ6GEYJ102	M 1KOHM,J,1/10W	1	
R7110-15	J0JCC0000100	CHIP INDUCTOR	6	
R7116,17	ERJ3GEYJ221	M 220 OHM,J,1/16W	2	
R7118,19	J0JCC0000100	CHIP INDUCTOR	2	
R7120-22	TAJAAH0470JV	M 47 OHM,J,1/16W	3	
R7123,24	ERJ3GEYJ101	M 100 OHM,J,1/16W	2	
R7129	ERJ6GEY0R00	M 0 OHM, 1/10W	1	
R7130-32	TAJAAH0470JV	M 47 OHM,J,1/16W	3	
R7133	ERJ3GEYJ101	M 100 OHM,J,1/16W	1	
R7133	TAJAAH0470JV	M 47 OHM,J,1/16W	1	
R7134	ERJ3GEYJ101	M 100 OHM,J,1/16W	1	
R7134-45	TAJAAH0470JV	M 47 OHM,J,1/16W	12	
	1			

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R7148-51	TAJAAH0470JV	M 47 OHM,J,1/16W	4	Remarks
R7152	ERJ6GEY0R00	M 0 OHM, 1/10W	1	
R7153-56	TAJAAH0470JV	M 47 OHM,J,1/16W	4	
R7157-60	J0JCC0000100	CHIP INDUCTOR	4	
R7167,68	ERJ6GEY0R00	M 0 OHM, 1/10W	2	
R7169-84	ERJ12YJ4R7	M 4.70HM, J,1/2W	16	
R7206	TAJAAH0470JV	M 47 OHM, J,1/16W	1	
R7207-09	J0JCC0000100	CHIP INDUCTOR	3	
R7213	ERJ6GEY0R00	M 0 OHM, 1/10W	1	
R7214,15	TAJAAH0470JV	M 47 OHM, J,1/16W	2	
R7214,13	J0JCC0000100	CHIP INDUCTOR	2	
R7210,17	J0JCC0000100	CHIP INDUCTOR	1	
R7225	ERJ6GEY0R00		1	
R7227	J0JCC0000100	M 0 OHM, 1/10W CHIP INDUCTOR	1	
R7228-31	TAJAAH0470JV	M 47 OHM,J,1/16W	4	
R7232,33	J0JCC0000100	CHIP INDUCTOR	2	
R7234,35	TAJAAH0470JV	M 47 OHM,J,1/16W	2	
R7236	ERJ6GEY0R00	M 0 OHM, 1/10W	1	
R7237	J0JCC0000100	CHIP INDUCTOR	1	
R7238-41	TAJAAH0470JV	M 47 OHM,J,1/16W	4	
R7242	J0JCC0000100	CHIP INDUCTOR	1	
R7243,44	TAJAAH0470JV	M 47 OHM,J,1/16W	2	
R7245,46	J0JCC0000100	CHIP INDUCTOR	2	
R7247-50	TAJAAH0470JV	M 47 OHM,J,1/16W	4	
R7251	J0JCC0000100	CHIP INDUCTOR	1	
R7252,53	TAJAAH0470JV	M 47 OHM,J,1/16W	2	
R7254,55	J0JCC0000100	CHIP INDUCTOR	2	
R7256-67	ERJ12YJ4R7	M 4.70HM, J,1/2W	12	
R7302	ERJ6GEY0R00	M 0 OHM, 1/10W	1	
R7303-06	TAJAAH0470JV	M 47 OHM,J,1/16W	4	
R7311-26	TAJAAH0470JV	M 47 OHM,J,1/16W	16	
R7328	ERJ6GEY0R00	M 0 OHM, 1/10W	1	
R7329-36	TAJAAH0470JV	M 47 OHM,J,1/16W	8	
R7337-40	J0JCC0000100	CHIP INDUCTOR	4	
R7346,47	ERJ6GEY0R00	M 0 OHM, 1/10W	2	
R7352,53	J0JCC0000100	CHIP INDUCTOR	2	
R7354,55	ERJ3GEYJ101	M 100 OHM,J,1/16W	2	
R7356-59	J0JCC0000100	CHIP INDUCTOR	4	
R7360	ERJ6GEYJ102	M 1KOHM,J,1/10W	1	
R7361-65	J0JCC0000100	CHIP INDUCTOR	5	
R7366,67	ERJ3GEYJ101	M 100 OHM,J,1/16W	2	
R7368	J0JCC0000100	CHIP INDUCTOR	1	
R7369-72	ERJ12YJ4R7	M 4.70HM, J,1/2W	4	
R7373,74	ERJ3GEYJ221	M 220 OHM,J,1/16W	2	
R7375-82	ERJ12YJ4R7	M 4.70HM, J,1/2W	8	
R7383,84	ERJ3GEYJ221	M 220 OHM,J,1/16W	2	
R7401	ERJ6GEY0R00	M 0 OHM, 1/10W	1	
R7402	ERJ6GEYJ103	M 10KOHM,J,1/10W	1	
R7404	ERJ6GEY0R00	M 0 OHM, 1/10W	1	
R7409	ERJ6GEYJ103	M 10KOHM,J,1/10W	1	
R7410-13	TAJAAH0470JV	M 47 OHM,J,1/16W	4	
R7414,15	ERJ6GEYJ103	M 10KOHM,J,1/10W	2	
R7416-39	TAJAAH0470JV	M 47 OHM,J,1/16W	24	
R7440-43	J0JCC0000100	CHIP INDUCTOR	4	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R7444	ERJ6GEY0R00	M 0 OHM, 1/10W	1	
R7454	ERJ6GEY0R00	M 0 OHM, 1/10W	1	
R7456-59	J0JCC0000100	CHIP INDUCTOR	4	
R7460,61	ERJ3GEYJ101	M 100 OHM,J,1/16W	2	
R7462-69	J0JCC0000100	CHIP INDUCTOR	8	
R7470,71	ERJ3GEYJ101	M 100 OHM,J,1/16W	2	
R7472	ERJ6GEYJ102	M 1KOHM,J,1/10W	1	
R7473-76	ERJ12YJ4R7	M 4.70HM, J,1/2W	4	
R7477,78	ERJ3GEYJ221	M 220 OHM,J,1/16W	2	
R7479-86	ERJ12YJ4R7	M 4.70HM, J,1/2W	8	
R7487,88	ERJ3GEYJ221	M 220 OHM,J,1/16W	2	
R7501	J0JCC0000100	CHIP INDUCTOR	1	
R7502	ERJ6GEY0R00	M 0 OHM, 1/10W	1	
R7503	ERJ3GEYJ101	M 100 OHM,J,1/16W	1	
R7504	J0JCC0000100	CHIP INDUCTOR	1	
R7505	ERJ6GEY0R00	M 0 OHM, 1/10W	1	
R7512	J0JCC0000100	CHIP INDUCTOR	1	
R7514	TAJAAH0470JV	M 47 OHM,J,1/16W	1	
R7515,16	J0JCC0000100	CHIP INDUCTOR	2	
R7513,10	J0JCC0000100	CHIP INDUCTOR	4	
R7516-21	ERJ3GEYJ101		1	
R7523	TAJAAH0470JV	M 100 OHM,J,1/16W	1	
		M 47 OHM, J,1/16W	1	
R7525	ERJ3GEYJ101	M 100 OHM,J,1/16W	4	
R7530-33	TAJAAH0470JV	M 47 OHM,J,1/16W		
R7534	J0JCC0000100	CHIP INDUCTOR	1	
R7535	ERJ6GEY0R00	M 0 OHM, 1/10W	1	
R7536,37	TAJAAH0470JV	M 47 OHM,J,1/16W	2	
R7538	J0JCC0000100	CHIP INDUCTOR	1	
R7539-42	TAJAAH0470JV	M 47 OHM, J, 1/16W	4	
R7543	ERJ3GEYJ101	M 100 OHM,J,1/16W	1	
R7543	J0JCC0000100	CHIP INDUCTOR	1	
R7544,45	TAJAAH0470JV	M 47 OHM,J,1/16W	2	
R7546	J0JCC0000100	CHIP INDUCTOR	1	
R7547,48	TAJAAH0470JV	M 47 OHM,J,1/16W	2	
R7549	ERJ3GEYJ101	M 100 OHM,J,1/16W	1	
R7549,50	TAJAAH0470JV	M 47 OHM,J,1/16W	2	
R7551	J0JCC0000100	CHIP INDUCTOR	1	
R7552,53	TAJAAH0470JV	M 47 OHM,J,1/16W	2	
R7555	J0JCC0000100	CHIP INDUCTOR	1	
R7556-64	ERJ12YJ4R7	M 4.70HM, J,1/2W	9	
R7564	ERJ3GEYJ101	M 100 OHM,J,1/16W	1	
R7565-67	ERJ12YJ4R7	M 4.70HM, J,1/2W	3	
R7601	ERJ6GEYJ102	M 1KOHM,J,1/10W	1	
R7602,03	J0JCC0000100	CHIP INDUCTOR	2	
R7604	ERJ3GEYJ221	M 220 OHM,J,1/16W	1	
R7605,06	J0JCC0000100	CHIP INDUCTOR	2	
R7607	ERJ3GEYJ221	M 220 OHM,J,1/16W	1	
R7608-15	J0JCC0000100	CHIP INDUCTOR	8	
R7616,17	ERJ3GEYJ221	M 220 OHM,J,1/16W	2	
R7618-21	TAJAAH0470JV	M 47 OHM,J,1/16W	4	
R7623	ERJ3GEYJ101	M 100 OHM,J,1/16W	1	
R7626	ERJ6GEY0R00	M 0 OHM, 1/10W	1	
R7628-32	TAJAAH0470JV	M 47 OHM,J,1/16W	5	
R7633,34	ERJ3GEYJ101	M 100 OHM,J,1/16W	2	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R7635-43	TAJAAH0470JV	M 47 OHM,J,1/16W	9	
R7646-53	TAJAAH0470JV	M 47 OHM,J,1/16W	8	
R7654-57	J0JCC0000100	CHIP INDUCTOR	4	
R7659	ERJ6GEY0R00	M 0 OHM, 1/10W	1	
R7663	ERJ6GEY0R00	M 0 OHM, 1/10W	1	
R7668	ERJ6GEY0R00	M 0 OHM, 1/10W	1	
R7669-84	ERJ12YJ4R7	M 4.70HM, J,1/2W	16	
R8001-16	TSK1032	BEAD CHOKE	16	
R8017-20	ERJ3GEYJ562	M 5.6KOHM,J,1/16W	4	
R8021-24	ERJ3GEYJ222	M 2.2KOHM,J,1/16W	4	
R8025-28	ERJ3GEYJ331	M 330 OHM,J,1/16W	4	
R8029,30	ERJ6ENF3301	M 3.3KOHM, 1/10W	2	
R8031,32	ERJ6ENF2201	M 2.2KOHM, 1/10W	2	
R8033,34	ERJ3GEYJ104	M 100KOHM,J,1/16W	2	
R8035,36	ERJ6ENF3301	M 3.3KOHM, 1/10W	2	
R8037-40	ERJ6ENF4701	M 4.7KOHM, 1/10W	4	
R8041,42	ERJ3GEYJ183	M 18KOHM,J,1/16W	2	
R8043,44	ERJ3GEYJ102	M 1KOHM,J,1/16W	2	
R8045,46	ERJ3GEYJ222	M 2.2KOHM,J,1/16W	2	
R8047	ERJ3GEYJ271	M 270 OHM,J,1/16W	1	
R8048-51	ERJ3GEYJ222	M 2.2KOHM,J,1/16W	4	
R8054-59	ERJ3GEYJ101	M 100 OHM,J,1/16W	6	
R8060,61	ERJ6ENF3301	M 3.3KOHM, 1/10W	2	
R8062	ERJ3GEYJ271	M 270 OHM,J,1/16W	1	
R8065-70	ERJ3GEYJ101	M 100 OHM,J,1/16W	6	
R8071,72	TSK1032	BEAD CHOKE	2	
R8077-82	ERJ3GEYJ152	M 1.5KOHM,J,1/16W	6	
R8083-85	ERJ3GEYJ102	M 1KOHM,J,1/16W	3	
R8087	ERJ3GEYJ102	M 1KOHM,J,1/16W	1	
R8089	ERJ3GEYJ102	M 1KOHM,J,1/16W	1	
R8091	ERJ3GEYJ102	M 1KOHM,J,1/16W	1	
	ERJ6GEYJ101	- ' '	2	
R8093,94	 	M 100 OHM,J,1/10W	2	
R8095,96	ERJ6GEY0R00	M 0 OHM, 1/10W	4	
R8097-00	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R9001	EXB38V470J	RESISTOR ARRAY		
R9002,03	J0JCC0000100	CHIP INDUCTOR	2	
R9004	EXB38V470J	RESISTOR ARRAY	1	
R9005	TAJAAH0101JV	M 100 OHM,J,1/16W	1	
R9006	EXB38V470J	RESISTOR ARRAY	1	
R9007-09	TAJAAH0101JV	M 100 OHM,J,1/16W	3	
R9010	EXB38V470J	RESISTOR ARRAY	1	
R9011	TAJAAH0101JV	M 100 OHM,J,1/16W	1	
R9012	EXB38V470J	RESISTOR ARRAY	1	
R9014	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R9015	ERJ3GEYJ330	M 33 OHM,J,1/16W	1	
R9016	ERJ3GEYJ560	M 56 OHM,J,1/16W	1	
R9017	EXB38V470J	RESISTOR ARRAY	1	
R9018-20	J0JCC0000100	CHIP INDUCTOR	3	
R9022-24	ERJ3GEYJ750	M 75 OHM,J,1/16W	3	
R9025	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R9026	ERJ3GEYJ473	M 47KOHM,J,1/16W	1	
R9027	ERJ3GEYJ331	M 330 OHM,J,1/16W	1	
R9028	J0JCC0000100	CHIP INDUCTOR	1	
R9029	ERJ3GEYJ332	M 3.3KOHM,J,1/16W	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R9030	ERJ3GEYJ472	M 4.7KOHM,J,1/16W	1	
R9031	EXB38V470J	RESISTOR ARRAY	1	
R9032,33	J0JCC0000100	CHIP INDUCTOR	2	
R9034	EXB38V470J	RESISTOR ARRAY	1	
R9035	TAJAAH0101JV	M 100 OHM,J,1/16W	1	
R9036	EXB38V470J	RESISTOR ARRAY	1	
R9037-39	TAJAAH0101JV	M 100 OHM,J,1/16W	3	
R9040	EXB38V470J	RESISTOR ARRAY	1	
R9042	TAJAAH0101JV	M 100 OHM,J,1/16W	1	
R9043	EXB38V470J	RESISTOR ARRAY	1	
R9044	ERJ3GEYJ330	M 33 OHM,J,1/16W	1	
R9045	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R9046	ERJ3GEYJ560	M 56 OHM,J,1/16W	1	
R9047	EXB38V470J	RESISTOR ARRAY	1	
R9050-53	J0JCC0000100	CHIP INDUCTOR	4	
R9054-56	ERJ3GEYJ750	M 75 OHM,J,1/16W	3	
R9057	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R9058	ERJ3GEYJ473	M 47KOHM,J,1/16W	1	
R9059	ERJ3GEYJ331	M 330 OHM,J,1/16W	1	
R9060	J0JCC0000100	CHIP INDUCTOR	1	
R9061	ERJ3GEYJ332	M 3.3KOHM,J,1/16W	1	
R9062	ERJ3GEYJ472	M 4.7KOHM,J,1/16W	1	
R9063	ERJ3GEYJ100	M 10 OHM,J,1/16W	1	
R9104-07	J0JCC0000100	CHIP INDUCTOR	4	
R9108-10	ERJ6GEY0R00	M 0 OHM, 1/10W	3	
R9111-13	J0JCC0000100	CHIP INDUCTOR	3	
R9111-15	ERJ6GEY0R00	M 0 OHM, 1/10W	2	
R9117-20	ERJ6GEY0R00	M 0 OHM, 1/10W	4	
R9122,23	ERJ6GEY0R00	M 0 OHM, 1/10W	2	
R9130-35	TAJAAH0101JV	M 100 OHM,J,1/16W	6	
R9130-35	J0JCC0000100	CHIP INDUCTOR	1	
R9151-55		RESISTOR ARRAY	5	
	EXB2HVR000 EXB2HVR000		1	
R9157		M 40KOHM 14/46W	2	
R9167,68	ERJ3GEYJ103	M 10KOHM, J, 1/16W		
R9171,72	ERJ3GEYJ103	M 10KOHM, J, 1/16W	2	
R9176	TAJAAH0101JV	M 100 OHM,J,1/16W	1	
R9177	ERJ3GEYJ220	M 22 OHM,J,1/16W	1	
R9178,79	J0JCC0000100	CHIP INDUCTOR	2	
R9180	ERJ3GEYJ100	M 10 OHM,J,1/16W	1	
R9182	J0JCC0000100	CHIP INDUCTOR	1	
R9183	ERJ6ENF3001	M 3KOHM, 1/10W	1	
R9184	ERJ6ENF1001	M 1KOHM, 1/10W	1	
R9187	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R9190	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R9191	J0JCC0000100	CHIP INDUCTOR	1	
R9199	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R9202	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R9203	ERJ3GEYJ220	M 22 OHM,J,1/16W	1 -	
R9204,05	J0JCC0000100	CHIP INDUCTOR	2	
R9211-15	J0JCC0000100	CHIP INDUCTOR	5	
R9216	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R9218	J0JCC0000100	CHIP INDUCTOR	1	
R9219	ERJ3GEYJ100	M 10 OHM,J,1/16W	1	
R9220,21	ERJ3GEYJ151	M 150 OHM,J,1/16W	2	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R9224	ERJ3GEYJ222	M 2.2KOHM,J,1/16W	1	Kemarks
R9226	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R9228	ERJ3GEYJ151	M 150 OHM,J,1/16W	1	
R9229,30	J0JCC0000100	CHIP INDUCTOR	2	
R9231	ERJ3GEYJ272	M 2.7KOHM,J,1/16W	1	
R9232	ERJ3GEYJ331		1	
		M 330 OHM,J,1/16W	1	
R9234	ERJ3GEYJ103	M 10KOHM,J,1/16W M 10KOHM,J,1/16W	1	
R9236	ERJ3GEYJ103	, ,	2	
R9240,41	ERJ3GEYJ330	M 33 OHM,J,1/16W		
R9244,45	J0JCC0000100	CHIP INDUCTOR	2	
R9302	J0JCC0000100	CHIP INDUCTOR	1	
R9304	ERJ6GEY0R00	M 0 OHM, 1/10W	1	
R9309	J0JCC0000100	CHIP INDUCTOR	1	
R9310	ERJ3GEYJ223	M 22KOHM,J,1/16W	1	
R9311	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R9312-14	ERJ6GEY0R00	M 0 OHM, 1/10W	3	
R9315	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R9317	J0JCC0000100	CHIP INDUCTOR	1	
R9318-21	EXB38V470J	RESISTOR ARRAY	4	
R9322	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R9323,24	EXB38V680J	RESISTOR ARRAY	2	
R9325	ERJ6GEY0R00	M 0 OHM, 1/10W	1	
R9327	EXB38V680J	RESISTOR ARRAY	1	
R9328	TAJAAH0470JV	M 47 OHM,J,1/16W	1	
R9329,30	ERJ3GEYJ100	M 10 OHM,J,1/16W	2	
R9331	TAJAAH0470JV	M 47 OHM,J,1/16W	1	
R9332	EXB38V680J	RESISTOR ARRAY	1	
R9335	J0JCC0000100	CHIP INDUCTOR	1	
R9336	ERJ3GEYJ100	M 10 OHM,J,1/16W	1	
R9337	J0JCC0000100	CHIP INDUCTOR	1	
R9338	TAJAAH0470JV	M 47 OHM,J,1/16W	1	
R9339	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R9341,42	TAJAAH0470JV	M 47 OHM,J,1/16W	2	
R9346	J0JCC0000100	CHIP INDUCTOR	1	
R9347,48	ERJ3GEYJ100	M 10 OHM,J,1/16W	2	
R9349	EXB38V680J	RESISTOR ARRAY	1	
R9350	J0JCC0000100	CHIP INDUCTOR	1	
R9351	EXB38V680J	RESISTOR ARRAY	1	
R9352	ERJ3GEYJ100	M 10 OHM,J,1/16W	1	
R9354	TAJAAH0470JV	M 47 OHM,J,1/16W	1	
R9355	ERJ3GEYJ100	M 10 OHM,J,1/16W	1	
R9357-59	EXB38V680J	RESISTOR ARRAY	3	
R9362	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R9363	EXB38V680J	RESISTOR ARRAY	1	
R9365	EXB38V680J	RESISTOR ARRAY	1	
R9367	J0JCC0000100	CHIP INDUCTOR	1	
R9368,69	EXB38V680J	RESISTOR ARRAY	2	
R9371	J0JCC0000100	CHIP INDUCTOR	1	
R9373-75	J0JCC0000100	CHIP INDUCTOR	3	
R9376	ERJ3GEYJ472	M 4.7KOHM,J,1/16W	1	
R9377-79	EXB2HVR000	RESISTOR ARRAY	3	
R9380	TAJAAH0101JV	M 100 OHM,J,1/16W	1	
R9382	J0JCC0000100	CHIP INDUCTOR	1	
R9385	ERJ3GEYJ472	M 4.7KOHM,J,1/16W	1	
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Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R9386	ERJ3GEYJ220	M 22 OHM,J,1/16W	1	Remarks
R9388	J0JCC0000100	CHIP INDUCTOR	1	
R9389,90	ERJ3GEYJ103	M 10KOHM,J,1/16W	2	
R9391,92	ERJ3GEYJ102	M 1KOHM,J,1/16W	2	
R9393-96	ERJ3GEYJ103	M 10KOHM,J,1/16W	4	
R9397,98	ERJ6ENF1001	M 1KOHM, 1/10W	2	
R9399,00	ERJ3GEYJ100	M 10 OHM,J,1/16W	2	
R9401,02	ERJ3GEYJ220	M 22 OHM,J,1/16W	2	
R9403	ERJ3GEYJ560	M 56 OHM,J,1/16W	1	
R9405	ERJ3GEYJ560	M 56 OHM,J,1/16W	1	
R9408	ERJ3GEYJ560	M 56 OHM,J,1/16W	1	
R9411	ERJ3GEYJ472	M 4.7KOHM,J,1/16W	1	
	ERJ3GEYJ331		1	
R9413 R9415	ERJ3GEYJ472	M 330 OHM,J,1/16W	1	
		M 4.7KOHM, J,1/16W	1	
R9420	ERJ3GEYJ473	M 47KOHM,J,1/16W		
R9421	ERJ3GEYJ560	M 56 OHM,J,1/16W	1	
R9422	J0JCC0000100	CHIP INDUCTOR	1	
R9425	ERJ3GEYJ472	M 4.7KOHM, J,1/16W	1	
R9431	ERJ3GEYJ472	M 4.7KOHM,J,1/16W	1	
R9435	J0JCC0000100	CHIP INDUCTOR	1	
R9437	J0JCC0000100	CHIP INDUCTOR	1	
R9439-41	J0JCC0000100	CHIP INDUCTOR	3	
R9443-45	J0JCC0000100	CHIP INDUCTOR	3	
R9447	J0JCC0000100	CHIP INDUCTOR	1	
R9449	ERJ6GEY0R00	M 0 OHM, 1/10W	1	
R9455	J0JCC0000100	CHIP INDUCTOR	1	
R9459	J0JCC0000100	CHIP INDUCTOR	1	
R9460-62	ERJ3GEYJ100	M 10 OHM,J,1/16W	3	
R9465,66	EXB2HVR000	RESISTOR ARRAY	2	
R9468	EXB2HVR000	RESISTOR ARRAY	1	
R9469,70	J0JCC0000100	CHIP INDUCTOR	2	
R9475	ERJ3GEYJ102	M 1KOHM,J,1/16W	1	
R9476	ERJ3GEYJ220	M 22 OHM,J,1/16W	1	
R9477,78	ERJ3GEYJ103	M 10KOHM,J,1/16W	2	
R9479	TAJAAH0101JV	M 100 OHM,J,1/16W	1	
R9480,81	ERJ6ENF1001	M 1KOHM, 1/10W	2	
R9483	J0JCC0000100	CHIP INDUCTOR	1	
R9484,85	ERJ3GEYJ102	M 1KOHM,J,1/16W	2	
R9486,87	ERJ6ENF1001	M 1KOHM, 1/10W	2	
R9488,89	ERJ3GEYJ100	M 10 OHM,J,1/16W	2	
R9490,91	ERJ3GEYJ220	M 22 OHM,J,1/16W	2	
R9492-95	EXB38VR000	RESISTOR ARRAY	4	
R9496	ERJ3GEYJ560	M 56 OHM,J,1/16W	1	
R9498	ERJ3GEYJ560	M 56 OHM,J,1/16W	1	
R9501	ERJ3GEYJ560	M 56 OHM,J,1/16W	1	
R9503	ERJ3GEYJ560	M 56 OHM,J,1/16W	1	
R9504	EXB38V103J	RESISTOR ARRAY	1	
R9506	EXB38V103J	RESISTOR ARRAY	1	
R9509-13	ERJ3GEYJ103	M 10KOHM,J,1/16W	5	
R9514	TAJAAH0101JV	M 100 OHM,J,1/16W	1	
R9515	ERJ3GEYJ104	M 100KOHM,J,1/16W	1	
R9516,17	J0JCC0000100	CHIP INDUCTOR	2	
R9518-27	EXB38V680J	RESISTOR ARRAY	10	
R9529,30	EXB38V680J	RESISTOR ARRAY	2	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R9532-37	TAJAAH0470JV	M 47 OHM,J,1/16W	6	
R9538,39	J0JCC0000100	CHIP INDUCTOR	2	
R9540	EXB38V470J	RESISTOR ARRAY	1	
R9541.42	J0JCC0000100	CHIP INDUCTOR	2	
R9543	EXB38V470J	RESISTOR ARRAY	1	
R9544,45	TAJAAH0470JV	M 47 OHM,J,1/16W	2	
R9547	TAJAAH0470JV	M 47 OHM,J,1/16W	1	
R9548	J0JCC0000100	CHIP INDUCTOR	1	
R9549	EXB38V680J	RESISTOR ARRAY	1	
R9550,51	EXB38V470J	RESISTOR ARRAY	2	
R9552	ERJ3GEYJ151	M 150 OHM,J,1/16W	1	
R9553	EXB38V680J	RESISTOR ARRAY	1	
R9554	ERJ3GEYJ151	M 150 OHM,J,1/16W	1	
R9556-58	ERJ3GEYJ151	M 150 OHM,J,1/16W	3	
R9559	EXB38V470J	RESISTOR ARRAY	1	
R9560	ERJ3GEYJ151	M 150 OHM,J,1/16W	1	
R9561	EXB38V470J	RESISTOR ARRAY	1	
R9562	ERJ3GEYJ151	M 150 OHM,J,1/16W	1	
R9563	TAJAAH0101JV	M 100 OHM,J,1/16W	1	
R9564	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R9565	J0JCC0000100	CHIP INDUCTOR	1	
R9567	J0JCC0000100	CHIP INDUCTOR	1	
	J0JCC0000100	CHIP INDUCTOR	1	
R9569			1	
R9577	J0JCC0000100	CHIP INDUCTOR	1	
R9585	J0JCC0000100	CHIP INDUCTOR	1	
R9586	ERJ3GEYJ104	M 100KOHM,J,1/16W		
R9592	ERJ3GEYJ104	M 100KOHM,J,1/16W	1	
R9593	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R9594	TAJAAH0101JV	M 100 OHM,J,1/16W	1	
R9595	ERJ3GEYJ104	M 100KOHM,J,1/16W	1	
R9596	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R9597	TAJAAH0101JV	M 100 OHM,J,1/16W	1	
R9600	ERJ3GEYJ561	M 560 OHM,J,1/16W	1 -	
R9601-05	J0JCC0000100	CHIP INDUCTOR	5	
R9607-17	J0JCC0000100	CHIP INDUCTOR	11	
R9618	ERJ3GEYJ223	M 22KOHM,J,1/16W	1	
R9620,21	ERJ3GEYJ103	M 10KOHM,J,1/16W	2	
R9622,23	J0JCC0000100	CHIP INDUCTOR	2	
R9624	TAJAAH0101JV	M 100 OHM,J,1/16W	1	
R9625	ERJ3GEYJ561	M 560 OHM,J,1/16W	1	
R9627-29	J0JCC0000100	CHIP INDUCTOR	3	
R9631-35	J0JCC0000100	CHIP INDUCTOR	5	
R9637,38	ERJ3GEYJ103	M 10KOHM,J,1/16W	2	
R9640,41	J0JCC0000100	CHIP INDUCTOR	2	
R9642	ERJ3GEYJ472	M 4.7KOHM,J,1/16W	1	
R9643	J0JCC0000100	CHIP INDUCTOR	1	
R9645	J0JCC0000100	CHIP INDUCTOR	1	
R9646	ERJ3GEYJ472	M 4.7KOHM,J,1/16W	1	
R9647	J0JCC0000100	CHIP INDUCTOR	1	
R9648	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R9650-53	EXB38V103J	RESISTOR ARRAY	4	
R9654-57	J0JCC0000100	CHIP INDUCTOR	4	
R9658	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R9659-61	ERJ3GEYJ472	M 4.7KOHM,J,1/16W	3	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R9662	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R9663-69	ERJ3GEYJ472	M 4.7KOHM,J,1/16W	7	
R9670-79	J0JCC0000100	CHIP INDUCTOR	10	
R9682-90	J0JCC0000100	CHIP INDUCTOR	9	
R9692	ERJ3GEYJ472	M 4.7KOHM,J,1/16W	1	
R9693	EXB38V103J	RESISTOR ARRAY	1	
R9694-00	J0JCC0000100	CHIP INDUCTOR	7	
R9701	TAJAAH0101JV	M 100 OHM,J,1/16W	1	
R9702	TAJAAH0680JV	M 68 OHM,J,1/16W	1	
R9703-08	TAJAAH0101JV	M 100 OHM,J,1/16W	6	
R9709	ERJ3GEYJ473	M 47KOHM,J,1/16W	1	
R9710-16	ERJ3GEYJ151	M 150 OHM,J,1/16W	7	
R9717,18	J0JCC0000100	CHIP INDUCTOR	2	
R9719-24	ERJ3GEYJ151	M 150 OHM,J,1/16W	6	
R9725	ERJ3GEYJ223	M 22KOHM,J,1/16W	1	
R9726	J0JCC0000100	CHIP INDUCTOR	1	
R9727	EXB38VR000	RESISTOR ARRAY	1	
R9728	J0JCC0000100	CHIP INDUCTOR	1	
R9729-32	TAJAAH0101JV	M 100 OHM,J,1/16W	4	
			1	
R9733	ERJ3GEYJ562	M 5.6KOHM,J,1/16W		
R9734	ERJ3GEYJ102	M 1KOHM,J,1/16W	1	
R9735	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R9736	ERJ3GEYJ272	M 2.7KOHM,J,1/16W	1	
R9737	ERJ3GEYJ102	M 1KOHM,J,1/16W	1	
R9738,39	ERJ3GEYJ272	M 2.7KOHM,J,1/16W	2	
R9741	ERJ3GEYJ472	M 4.7KOHM,J,1/16W	1	
R9743	ERJ3GEYJ472	M 4.7KOHM,J,1/16W	1	
R9744	J0JCC0000100	CHIP INDUCTOR	1	
R9745	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R9747	ERJ3GEYJ102	M 1KOHM,J,1/16W	1	
R9748	J0JCC0000100	CHIP INDUCTOR	1	
R9749	ERJ3GEYJ472	M 4.7KOHM,J,1/16W	1	
R9750	ERJ3GEYJ102	M 1KOHM,J,1/16W	1	
R9751	EXB38V103J	RESISTOR ARRAY	1	
R9753	TAJAAH0101JV	M 100 OHM,J,1/16W	1	
R9754	EXB38V272J	RESISTOR ARRAY	1	
R9755,56	ERJ3GEYJ272	M 2.7KOHM,J,1/16W	2	
R9757	ERJ3GEYJ560	M 56 OHM,J,1/16W	1	
R9758	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R9759	ERJ3GEYJ560	M 56 OHM,J,1/16W	1	
R9760	J0JCC0000100	CHIP INDUCTOR	1	
R9761	ERJ3GEYJ102	M 1KOHM,J,1/16W	1	
R9762	EXB38V103J	RESISTOR ARRAY	1	
R9763	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R9765	TAJAAH0101JV	M 100 OHM,J,1/16W	1	
R9766	J0JCC0000100	CHIP INDUCTOR	1	
R9767	TAJAAH0101JV	M 100 OHM,J,1/16W	1	
R9768	EXB38V470J	RESISTOR ARRAY	1	
R9769	EXB38VR000	RESISTOR ARRAY	1	
R9770	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R9771	EXB38VR000	RESISTOR ARRAY	1	
R9773	TAJAAH0101JV	M 100 OHM,J,1/16W	1	
R9774-76	ERJ3GEYJ103	M 10KOHM,J,1/16W	3	
R9777	ERJ3GEYJ471	M 470 OHM,J,1/16W	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R9779	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	Kemarks
R9781	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R9782	ERJ3GEYJ562	M 5.6KOHM,J,1/16W	1	
R9783,84	ERJ3GEYJ560	M 56 OHM,J,1/16W	2	
R9785,86	EXB38VR000	RESISTOR ARRAY	2	
R9787	ERJ3GEYJ102	M 1KOHM,J,1/16W	1	
R9788	J0JCC0000100	CHIP INDUCTOR	1	
R9789	ERJ3GEYJ471	M 470 OHM,J,1/16W	1	
R9799	ERJ3GEYJ152	M 1.5KOHM,J,1/16W	1	
	ERJ3GEYJ472		1	
R9791		M 4.7KOHM, J,1/16W	1	
R9794	ERJ3GEYJ272	M 2.7KOHM,J,1/16W		
R9795	ERJ3GEYJ105	M 1MOHM,J,1/16W	1	
R9798,99	ERJ3GEYJ562	M 5.6KOHM,J,1/16W	2	
R9800	J0JCC0000100	CHIP INDUCTOR	1	
R9803,04	TAJAAH0101JV	M 100 OHM,J,1/16W	2	
R9805	J0JCC0000100	CHIP INDUCTOR	1	
R9806	ERJ3GEYJ102	M 1KOHM,J,1/16W	1	
R9807,08	EXB38V103J	RESISTOR ARRAY	2	
R9810,11	J0JCC0000100	CHIP INDUCTOR	2	
R9814	ERJ3GEYJ100	M 10 OHM,J,1/16W	1	
R9816	ERJ3GEYJ102	M 1KOHM,J,1/16W	1	
R9817	J0JCC0000100	CHIP INDUCTOR	1	
R9818,19	TAJAAH0101JV	M 100 OHM,J,1/16W	2	
R9820	ERJ3GEYJ472	M 4.7KOHM,J,1/16W	1	
R9823,24	ERJ3GEYJ560	M 56 OHM,J,1/16W	2	
R9825	ERJ3GEYJ102	M 1KOHM,J,1/16W	1	
R9826	TAJAAH0101JV	M 100 OHM,J,1/16W	1	
R9827	ERJ3GEYJ332	M 3.3KOHM,J,1/16W	1	
R9829	ERJ3GEYJ393	M 39KOHM,J,1/16W	1	
R9831,32	ERJ3GEYJ103	M 10KOHM,J,1/16W	2	
R9833	ERJ3GEYJ393	M 39KOHM,J,1/16W	1	
R9834,35	ERJ3GEYJ560	M 56 OHM,J,1/16W	2	
R9836	TAJAAH0101JV	M 100 OHM,J,1/16W	1	
R9837	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R9838	J0JCC0000100	CHIP INDUCTOR	1	
R9839,40	TAJAAH0101JV	M 100 OHM,J,1/16W	2	
R9843,44	ERJ3GEYJ103	M 10KOHM,J,1/16W	2	
R9846,47	ERJ3GEYJ103	M 10KOHM,J,1/16W	2	
R9848	EXB38V103J	RESISTOR ARRAY	1	
R9849,50	TAJAAH0101JV	M 100 OHM,J,1/16W	2	
R9851	ERJ3GEYJ223	M 22KOHM,J,1/16W	1	
R9852,53	ERJ3GEYJ103	M 10KOHM,J,1/16W	2	
R9854	J0JCC0000100	CHIP INDUCTOR	1	
R9855	ERJ3GEYJ393	M 39KOHM,J,1/16W	1	
R9856	TAJAAH0101JV	M 100 OHM,J,1/16W	1	
R9857	ERJ3GEYJ102	M 1KOHM,J,1/16W	1	
R9858	TAJAAH0101JV	M 100 OHM,J,1/16W	1	
R9859	ERJ3GEYJ102	M 1KOHM,J,1/16W	1	
R9860	TAJAAH0101JV	M 100 OHM,J,1/16W	1	
R9861	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R9864	TAJAAH0101JV	M 100 OHM,J,1/16W	1	
R9865	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R9867	ERJ3GEYJ330	M 33 OHM,J,1/16W	1	
R9868	ERJ3GEYJ472	M 4.7KOHM,J,1/16W	1	
		,.,.,.,		

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R9869	TAJAAH0101JV	M 100 OHM,J,1/16W	1	
R9871	ERJ3GEYJ102	M 1KOHM,J,1/16W	1	
R9872	J0JCC0000100	CHIP INDUCTOR	1	
R9873	ERJ3GEYJ472	M 4.7KOHM,J,1/16W	1	
R9874,75	TAJAAH0101JV	M 100 OHM,J,1/16W	2	
R9876	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R9878-80	TAJAAH0101JV	M 100 OHM,J,1/16W	3	
R9882,83	TAJAAH0101JV	M 100 OHM,J,1/16W	2	
R9885	EXB38V103J	RESISTOR ARRAY	1	
R9886	TAJAAH0101JV	M 100 OHM,J,1/16W	1	
R9887,88	ERJ3GEYJ103	M 10KOHM,J,1/16W	2	
R9889	TAJAAH0101JV	M 100 OHM,J,1/16W	1	
R9890	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R9892	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R9893-96	TAJAAH0101JV	M 100 OHM,J,1/16W	4	
R9897	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R9898	J0JCC0000100	CHIP INDUCTOR	1	
R9900	TAJAAH0101JV	M 100 OHM,J,1/16W	1	
R9901	J0JCC0000100	CHIP INDUCTOR	1	
R9902	ERJ3GEYJ102	M 1KOHM,J,1/16W	1	
R9903-05	ERJ3GEYJ103	M 10KOHM,J,1/16W	3	
R9906	TAJAAH0101JV	M 100 OHM,J,1/16W	1	
R9907	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R9908	TAJAAH0101JV	M 100 OHM,J,1/16W	1	
R9909	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R9910	TAJAAH0101JV	M 100 OHM,J,1/16W	1	
R9912	J0JCC0000100	CHIP INDUCTOR	1	
R9913	ERJ6ENF2202	M 2.2KOHM, 1/10W	1	
R9914	ERJ3GEYJ102	M 1KOHM,J,1/16W	1	
R9916	J0JCC0000100	CHIP INDUCTOR	1	
R9917	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R9918	J0JCC0000100	CHIP INDUCTOR	1	
R9919	ERJ6ENF1002	M 10KOHM, 1/10W	1	
R9920	ERJ3GEYJ105	M 1MOHM,J,1/16W	1	
R9921-23	TAJAAH0101JV	M 100 OHM,J,1/16W	3	
R9924	ERJ3GEYJ223	M 22KOHM,J,1/16W	1	
R9925	J0JCC0000100	CHIP INDUCTOR	1	
R9930	TAJAAH0101JV	M 100 OHM,J,1/16W	1	
R9931	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R9932	ERJ3GEYJ102	M 1KOHM,J,1/16W	1	
R9933	ERJ3GEYJ331	M 330 OHM,J,1/16W	1	
R9934	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R9935,36	ERJ3GEYJ562	M 5.6KOHM,J,1/16W	2	
R9937	ERJ3GEYJ331	M 330 OHM,J,1/16W	1	
R9939	ERJ3GEYJ331	M 330 OHM,J,1/16W	1	
R9940	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R9941	ERJ3GEYJ331	M 330 OHM,J,1/16W	1	
R9942	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R9943	TAJAAH0101JV	M 100 OHM,J,1/16W	1	
R9944	ERJ3GEYJ102	M 1KOHM,J,1/16W	1	
R9945,46	ERJ3GEYJ100	M 10 OHM,J,1/16W	2	
R9947	ERJ3GEYJ472	M 4.7KOHM,J,1/16W	1	
R9948,49	ERJ3GEYJ103	M 10KOHM,J,1/16W	2	
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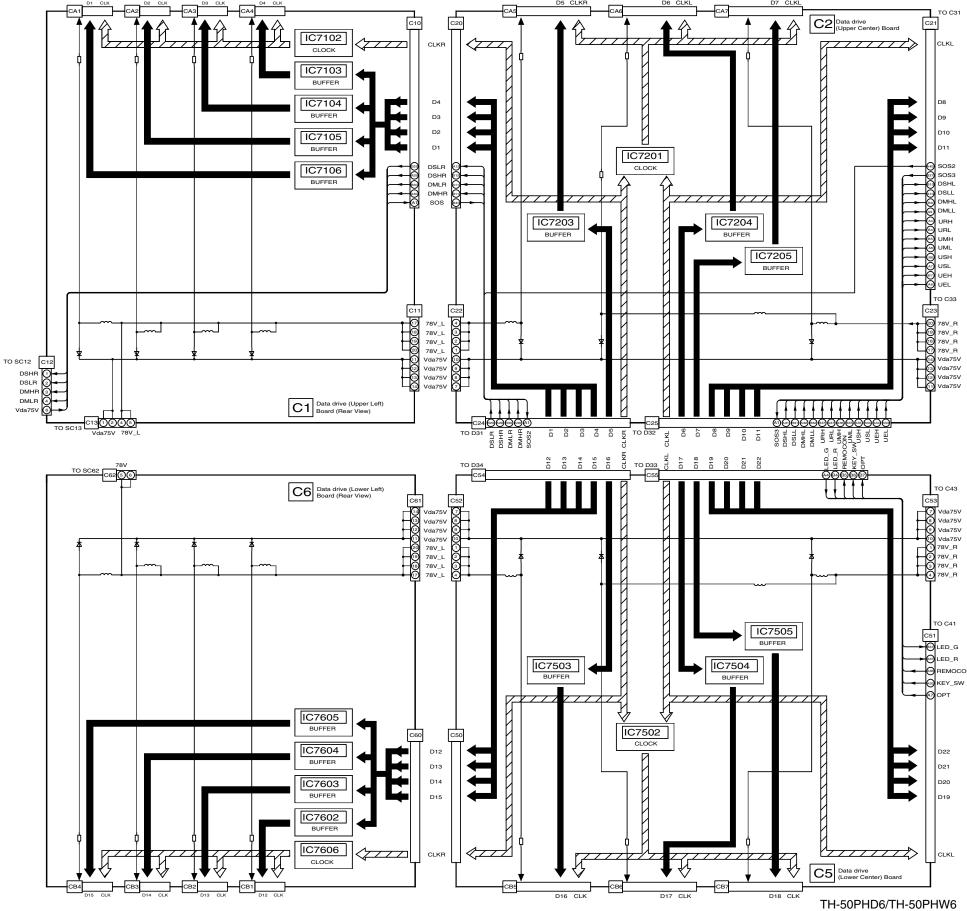
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R9954-57	J0JCC0000100	CHIP INDUCTOR	4	
R9959,60	ERJ3GEYJ472	M 4.7KOHM,J,1/16W	2	
R9961	ERJ6ENF1621	M1.62KOHM, 1/10W	1	
R9962	ERJ6ENF1001	M 1KOHM, 1/10W	1	
R9963	J0JCC0000100	CHIP INDUCTOR	1	
R9964	ERJ6GEY0R00	M 0 OHM, 1/10W	1	
R9965	ERJ3GEYJ102	M 1KOHM,J,1/16W	1	
R9966	J0JCC0000100	CHIP INDUCTOR	1	
R9969	ERJ6GEY0R00	M 0 OHM, 1/10W	1	
R9970	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R9971	ERJ6GEY0R00	M 0 OHM, 1/10W	1	
R9972	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R9975	ERJ3GEYJ472	M 4.7KOHM,J,1/16W	1	
R9976	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R9979	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R9984-88	J0JCC0000100	CHIP INDUCTOR	5	
R9990	ERJ3GEYJ331	M 330 OHM,J,1/16W	1	
R9991	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R9992	ERJ3GEYJ331	M 330 OHM,J,1/16W	1	
R9993	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R9996	ERJ6GEY0R00	M 0 OHM, 1/10W	1	
R9998	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
- 1.4-4				
RL401	K6B1AGA00086	RELAY	1	
RL402	K6B1AGA00177	REALY	1	Δ
RL901	K6B2ADA00007	REALY	1	<u> </u>
RM001	PNA4601M05TV	REMOCO RECEIVER	1	
RTL	TNPA2826	CIRCUIT BOARD J	1	⚠
RTL	TNPA2868AB	CIRCUIT BOARD S1	1	Δ
RTL	TNPA2890	CIRCUIT BOARD P	1	Δ
RTL	TNPA2903	CIRCUIT BOARD C1	1	Δ
RTL	TNPA2904	CIRCUIT BOARD C2	1	<u></u>
RTL	TNPA2905	CIRCUIT BOARD C3	1	<u> </u>
RTL	TNPA2906	CIRCUIT BOARD C4	1	Δ
RTL	TNPA2907	CIRCUIT BOARD C5	1	Δ
RTL	TNPA2908	CIRCUIT BOARD C6	1	Δ
RTL	TNPA2911	CIRCUIT BOARD SU	1	Δ
RTL	TNPA2912	CIRCUIT BOARD SD	1	<u> </u>
RTL	TNPA2919	CIRCUIT BOARD SS2	1	
RTL	TNPA2920	CIRCUIT BOARD SS3	1	<u>A</u>
RTL	TNPA3003	CIRCUIT BOARD H3	1	<u>A</u>
				<u>A</u>
RTL	TXN/D10QMS	CIRCUIT BOARD D	1	Δ.
RTL	TXN/Z10QBS	CIRCUIT BOARD Z	1	Δ.
RTL	TXNHX10QBS	CIRCUIT BOARD HX	1	<u>A</u>
RTL	TXNHY10QBS	CIRCUIT BOARD HY	1	<u> </u>

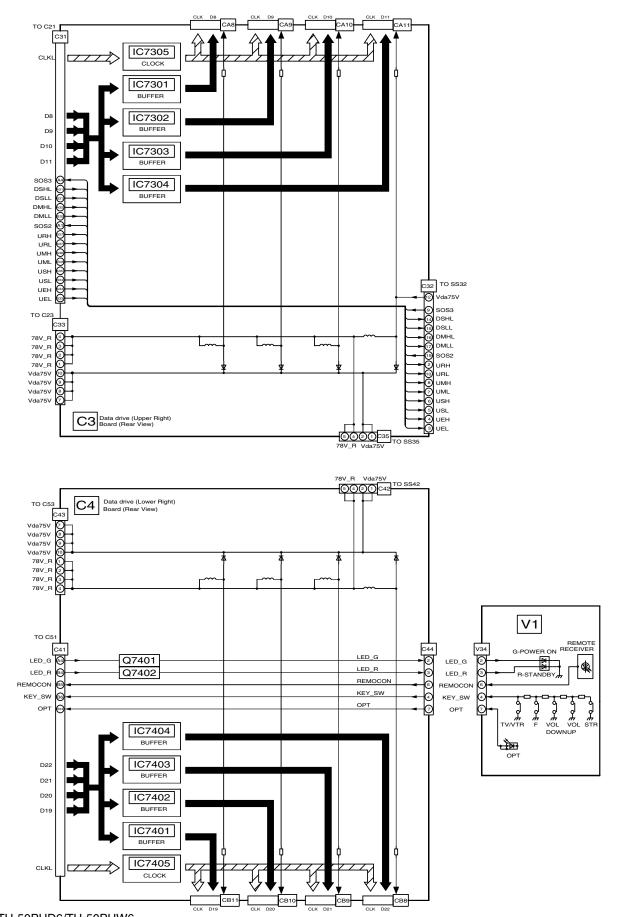
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RTL		RCUIT BOARD PF	1	⚠
RTL	TXNSC10QMS CIR	RCUIT BOARD SC	1	⚠
RTL	TXNSS10QMS CIR	RCUIT BOARD SS	1	<u> </u>
RTL	TXNV110QJS CIR	RCUIT BOARD V1	1	<u> </u>
S061	K0F162B00002 SW	VITCH	1	
S1550-54	EVQPBD05R SW	VITCH	5	
SC2	K1KA06A00180 6P	CONNECTOR	1	
SC12	K1KA06A00220 6P	CONNECTOR	1	
SC13	TJS1A8840 8P	CONNECTOR	1	
SC20	K1KA20A00180 20F	P CONNECTOR	1	
SC23	K1KA03A00213 3P	CONNECTOR	1	
SC41-44	K1KB40B00015 40F	P CONNECTOR	4	
SC62	K1KA06A00220 6P	CONNECTOR	1	
SD1-D4	K1MN96B00001 CO	ONNECTOR	4	
0044		CONNECTOR		
SS11		CONNECTOR	1	
SS12	_	P CONNECTOR	1	
SS21	_	CONNECTOR	1	
SS31	_	CONNECTOR	1	
SS32	_	P CONNECTOR	1	
SS34	+	CONNECTOR	1	
SS35	+	CONNECTOR	1	
SS41	+	P CONNECTOR	1	
SS42		CONNECTOR	1	
SS48	 	P CONNECTOR	1	
SS51-56	+	P CONNECTOR	6	
SS57,58	K1KA07A00170 7P	CONNECTOR	2	
SU1-U4	K1MN96B00001 CO	ONNECTOR	4	
			<u> </u>	
T401	G4D4A0000072 SW	VITCHING TRANSFORMER	1	
T402,03	ETS19AB1T6AG SW	VITCHING TRANS	2	
T404	ETS28LZ126AD SW	VITCHING TRANS	1	
T405	ETS49LM126AD SW	VITCHING TRANS	1	
T406	G4D4A0000072 SW	VITCHING TRANSFORMER	1	
T407	ETQ11K5AZ CH	IOKE TRANS	1	
T410	ETS25AD1J6AH SW	VITCHING TRANS	1	
T901	ETS28AZ1E6AD SW	VITCHING TRANS	1	A
T6431	ETS13TB139AP SW	VITCHING TRANS	1	
T6451	G4D1A0000072 SW	VITCHING TRANS	1	
T6471	G4D1A0000072 SW	VITCHING TRANS	1	
V34	K1KA08B00005 8P	CONNECTOR	1	
VR6477	EVMEASA00B53 CO	ONTROL 5KOHMB 0.3W	1	
VR6557		ONTROL 10KOHMB 0.3W	1	
VR6670		ONTROL 10KOHMB 0.3W	<u>'</u>	
VR6770		ONTROL 10KOHMB 0.3W	<u>'</u>	
			•	

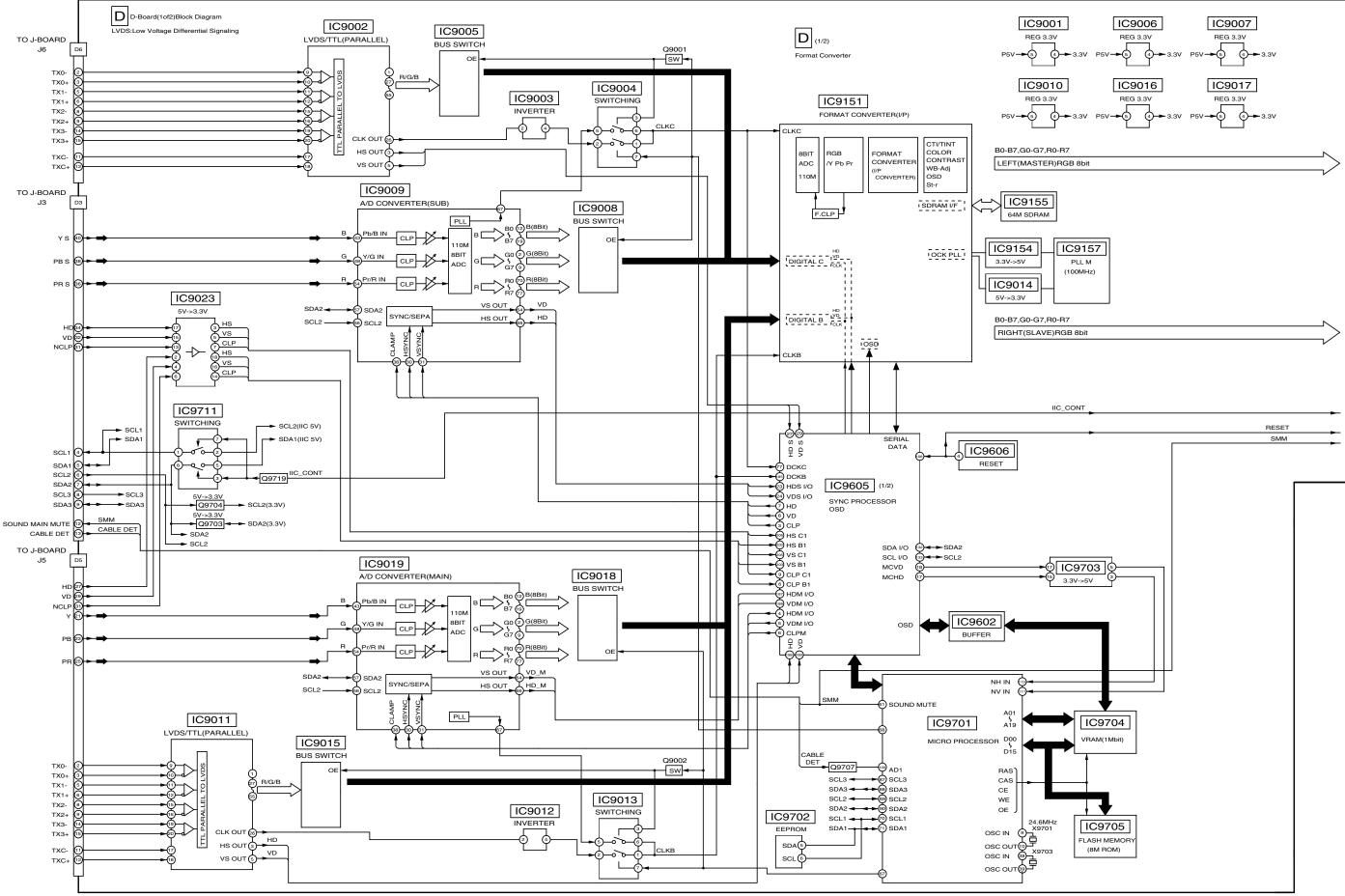
Part No.	Part Name & Description	Pcs	Remarks
H2B400400021	CRYSTAL	1	
H0J202500002	CRYSTAL	1	
H0J200500016	CRYSTAL	1	
H0J327200038	CRYSTAL	1	
TSSA081	CRYSTAL	1	
H0J921400003	CRYSTAL	1	
H0J200500016	CRYSTAL	1	
K1KA11A00048	11P CONNECTOR	1	
K1KA04A00195	4P CONNECTOR	1	
K1KA03A00172	3P CONNECTOR	1	
K1KA20A00180	20P CONNECTOR	1	
K4ZZ01000121	EARTH LUG	3	
K4ZZ01000121	EARTH LUG	8	
D4EAD6210001	VARISTOR	2	
	H2B400400021 H0J202500002 H0J200500016 H0J327200038 TSSA081 H0J921400003 H0J200500016 K1KA11A00048 K1KA04A00195 K1KA03A00172 K1KA20A00180 K4ZZ01000121 K4ZZ01000121	H2B400400021 CRYSTAL H0J202500002 CRYSTAL H0J200500016 CRYSTAL H0J327200038 CRYSTAL TSSA081 CRYSTAL H0J921400003 CRYSTAL H0J200500016 CRYSTAL K1KA11A00048 11P CONNECTOR K1KA04A00195 4P CONNECTOR K1KA03A00172 3P CONNECTOR K1KA20A00180 20P CONNECTOR K4ZZ01000121 EARTH LUG K4ZZ01000121 EARTH LUG	H2B400400021 CRYSTAL 1

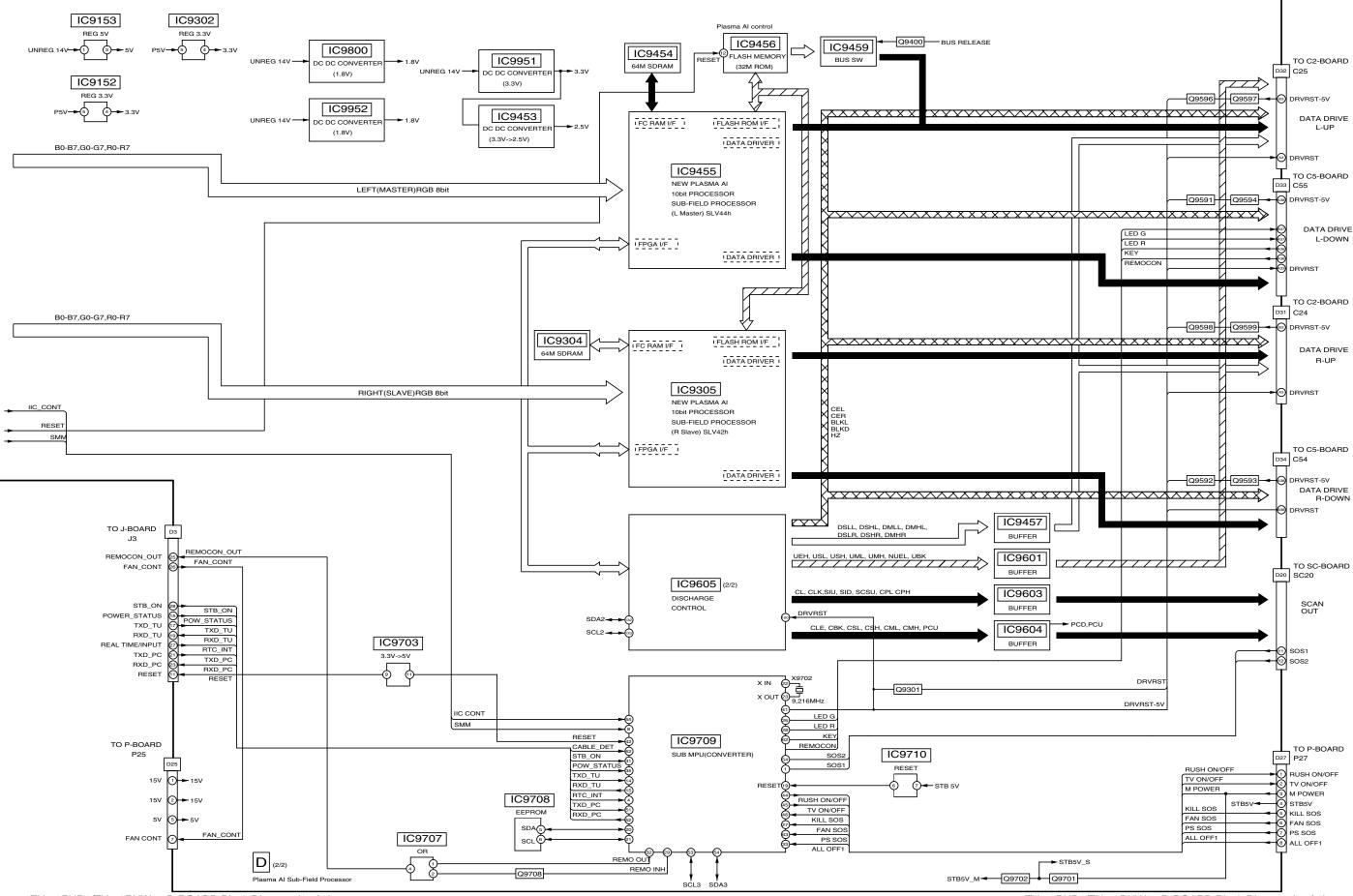
18. Schematic Diagram for printing with A4 size

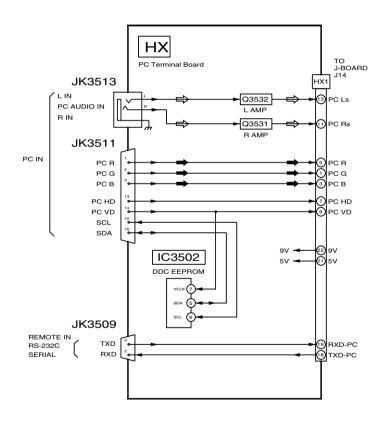
19. Cover for printing with A4

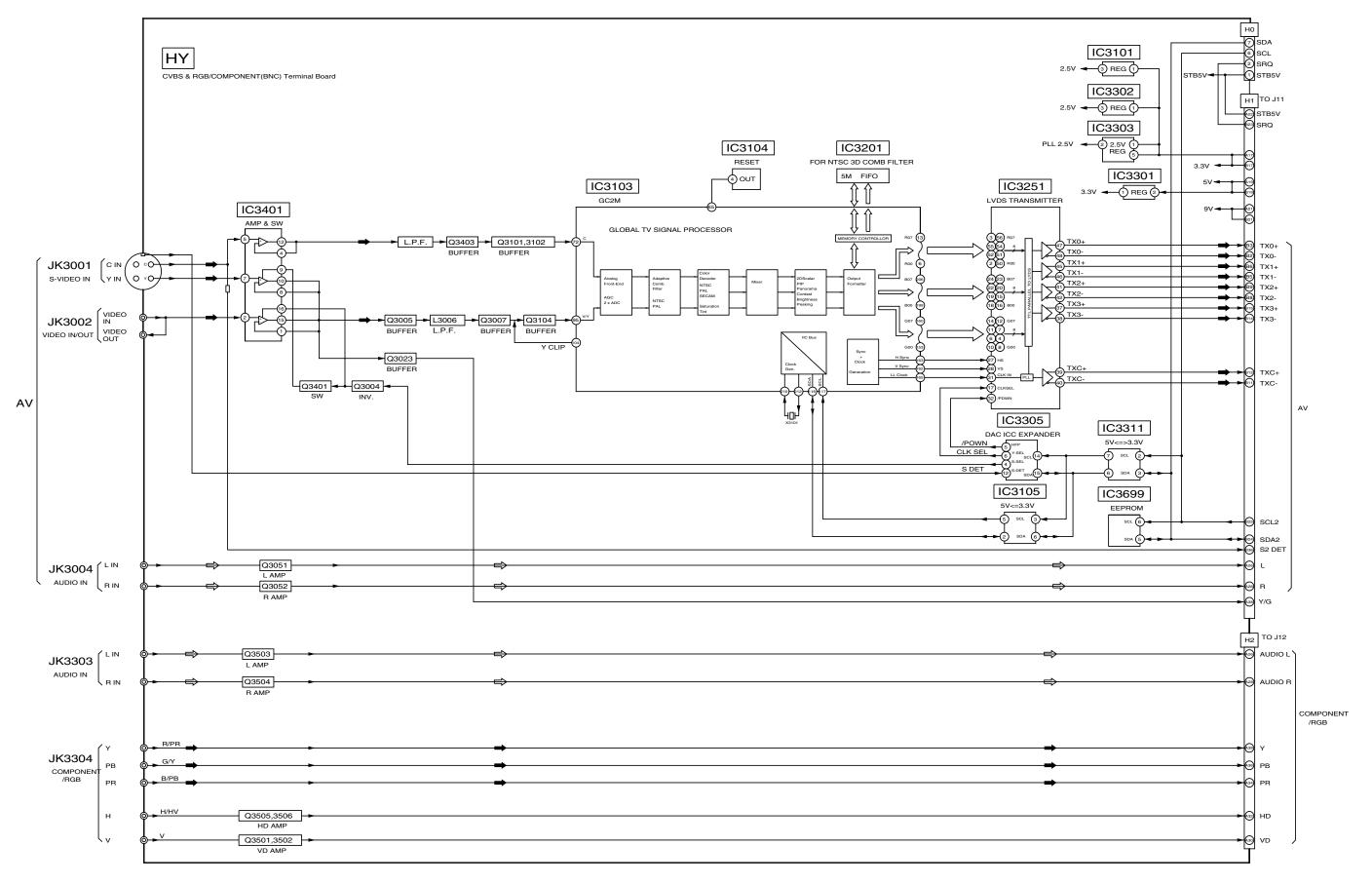


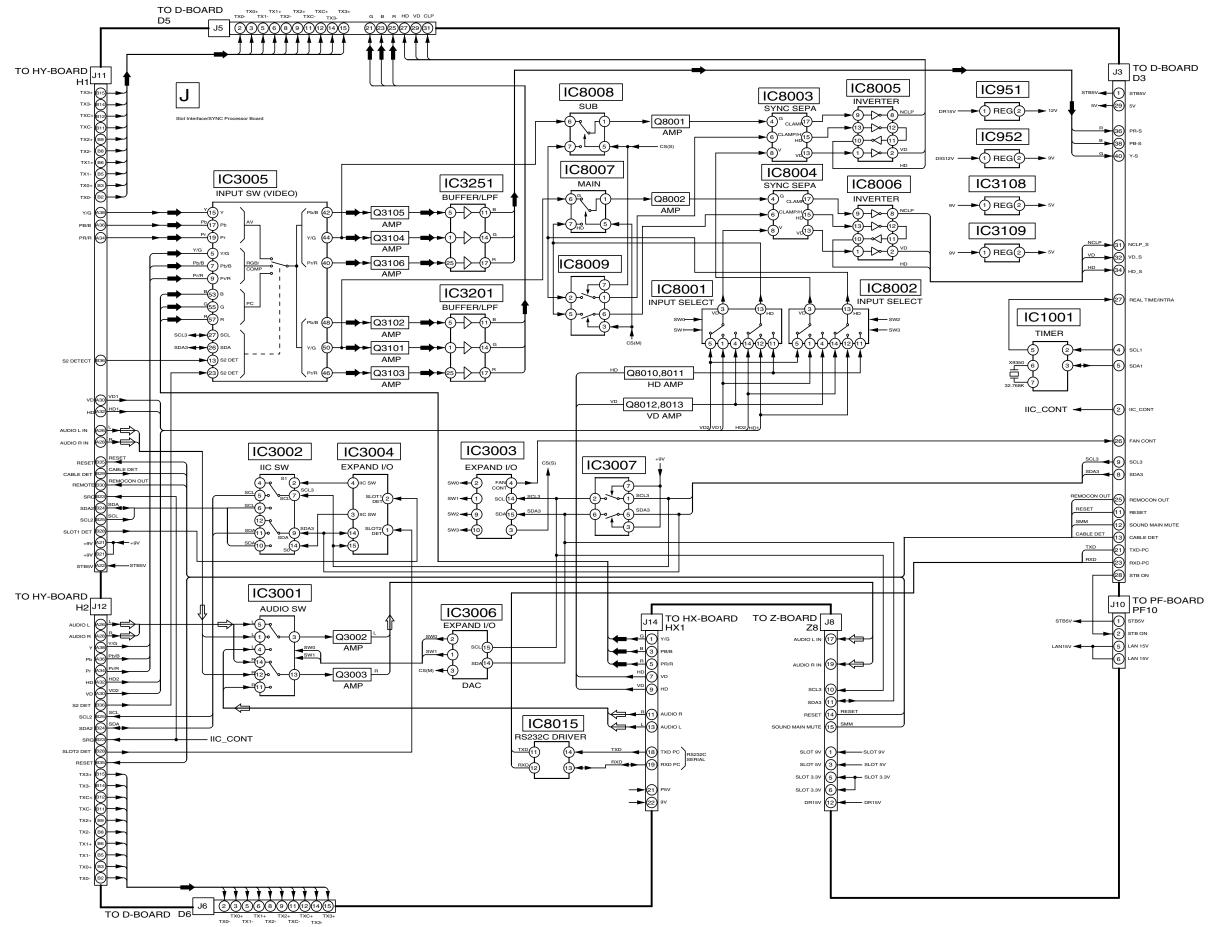


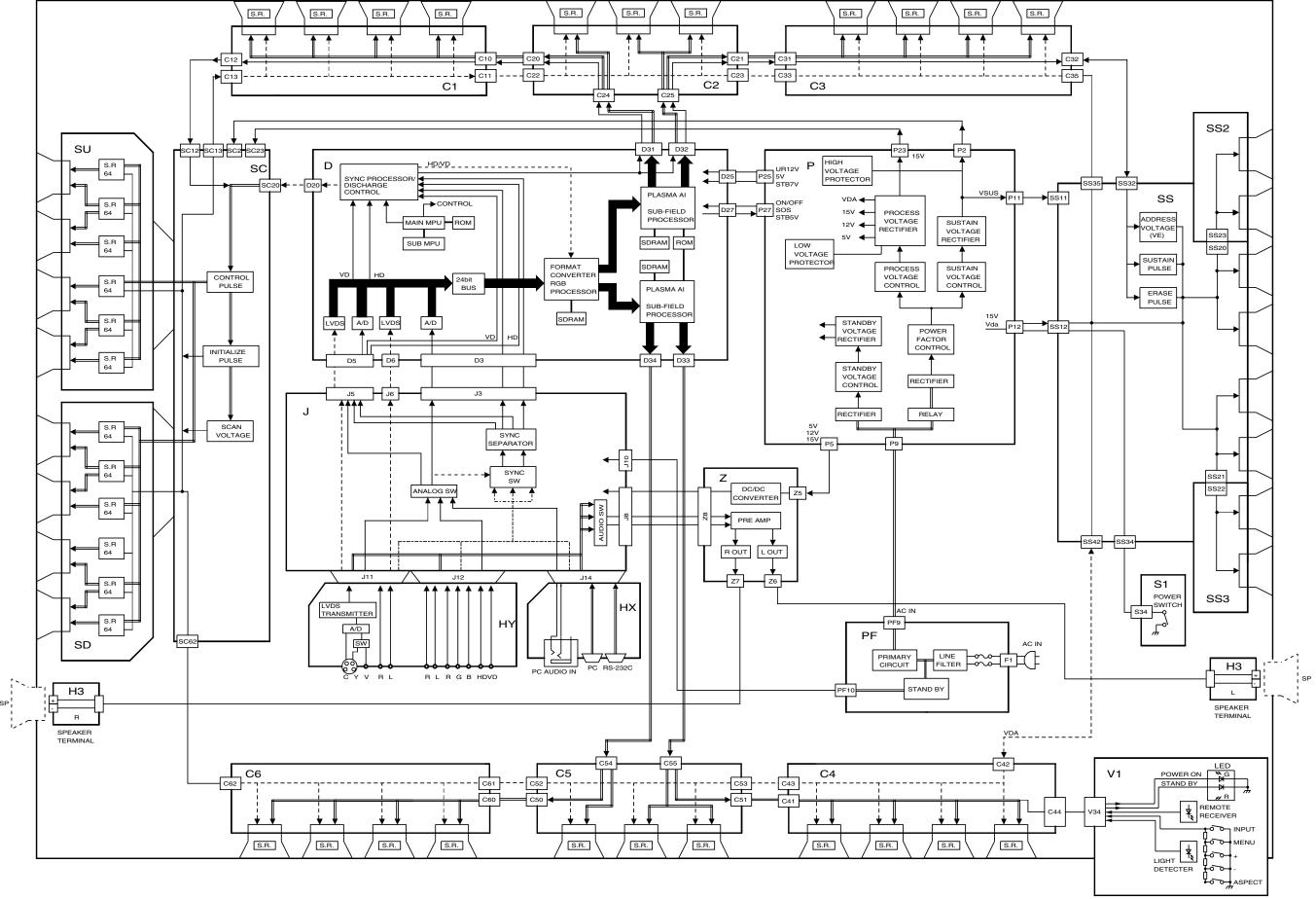


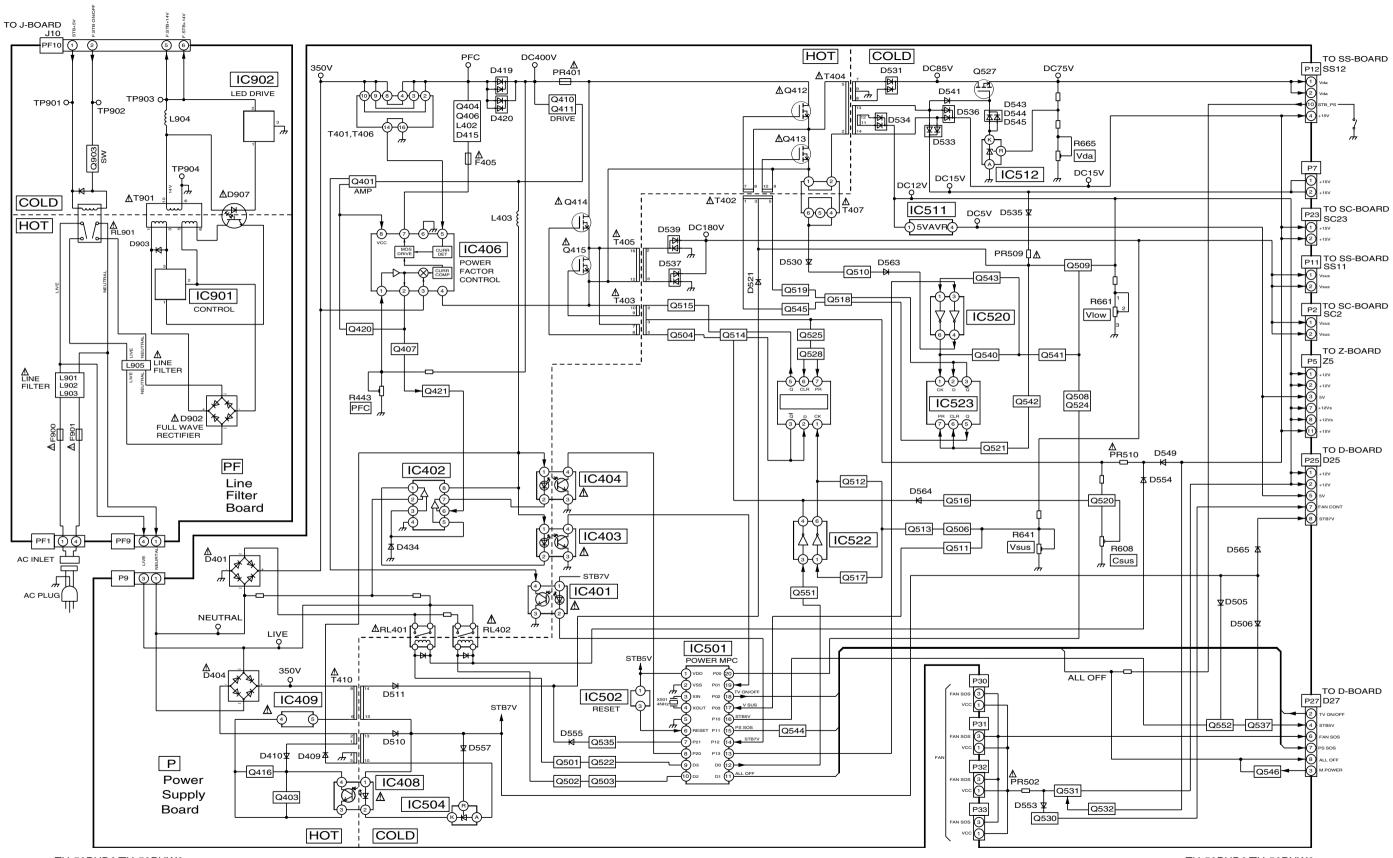


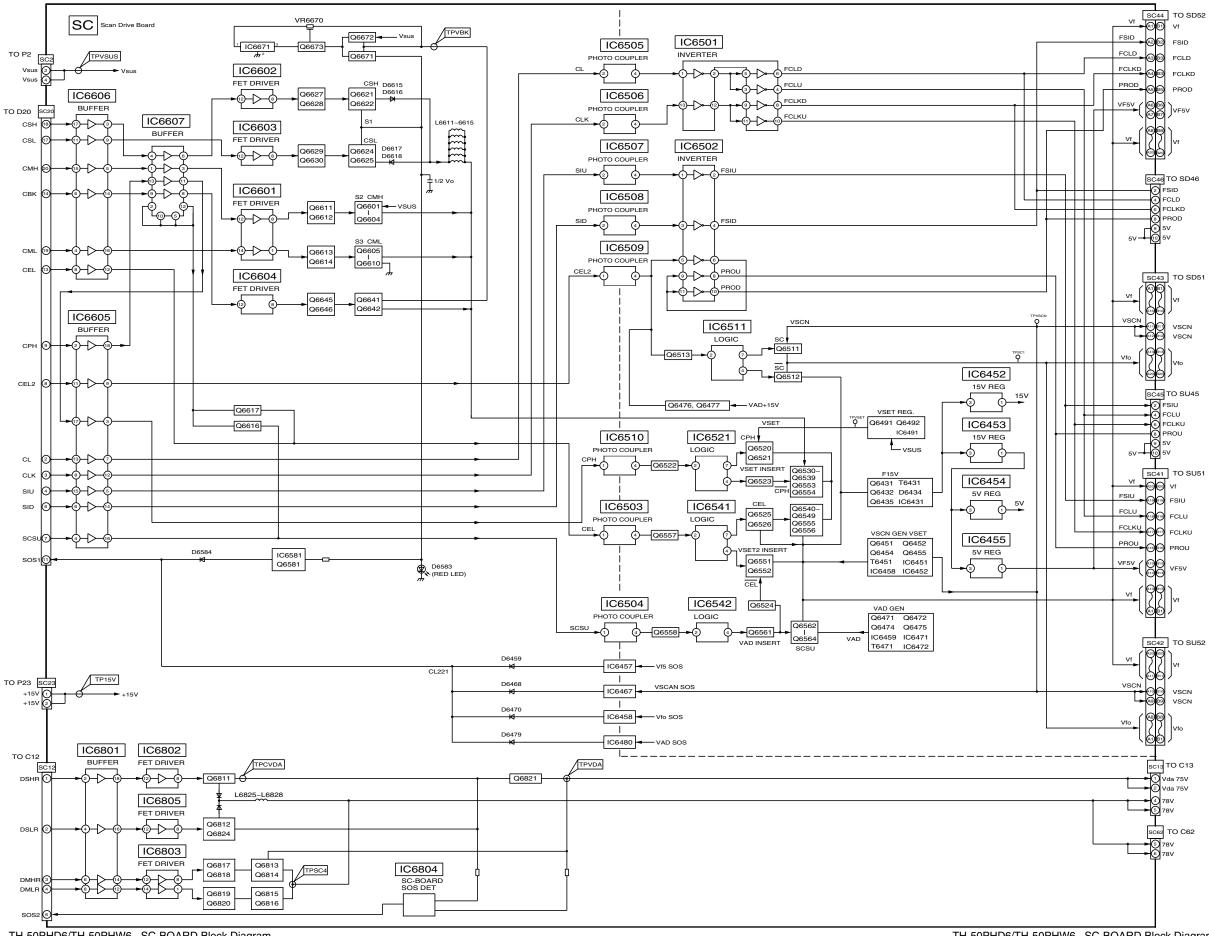


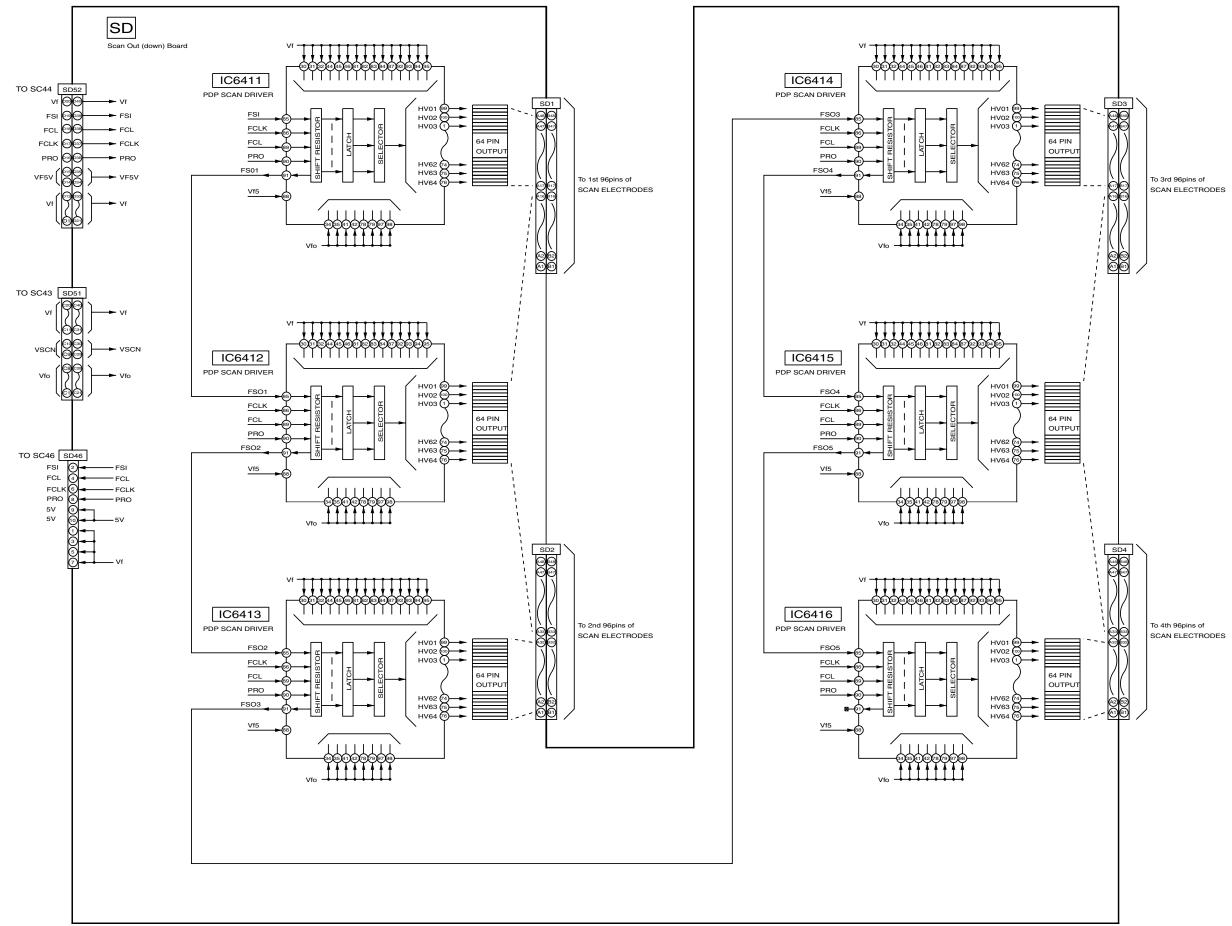


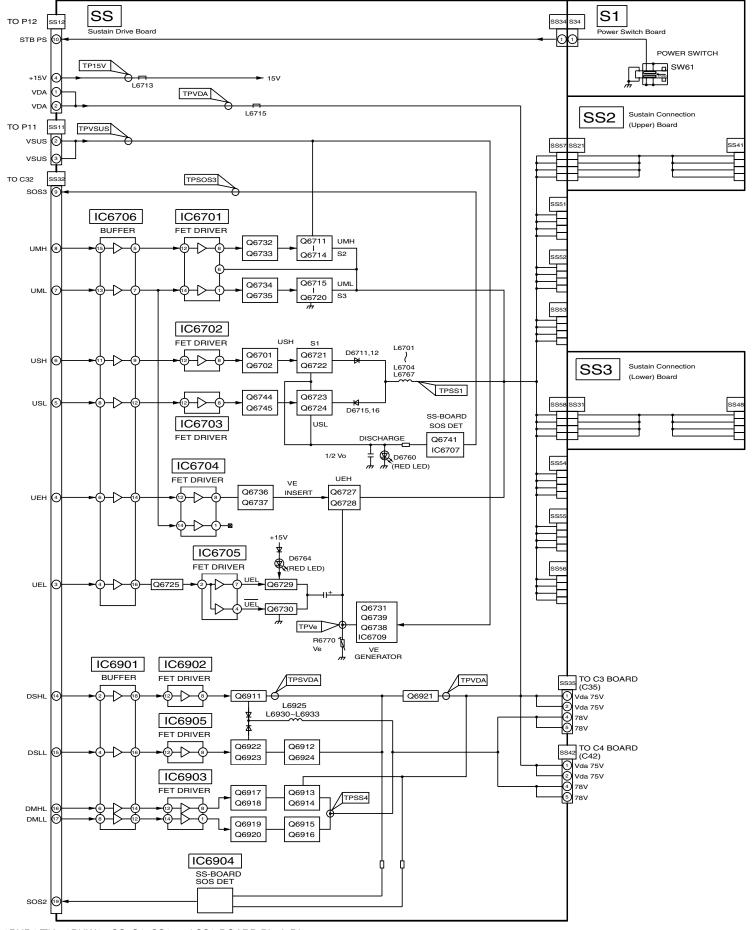


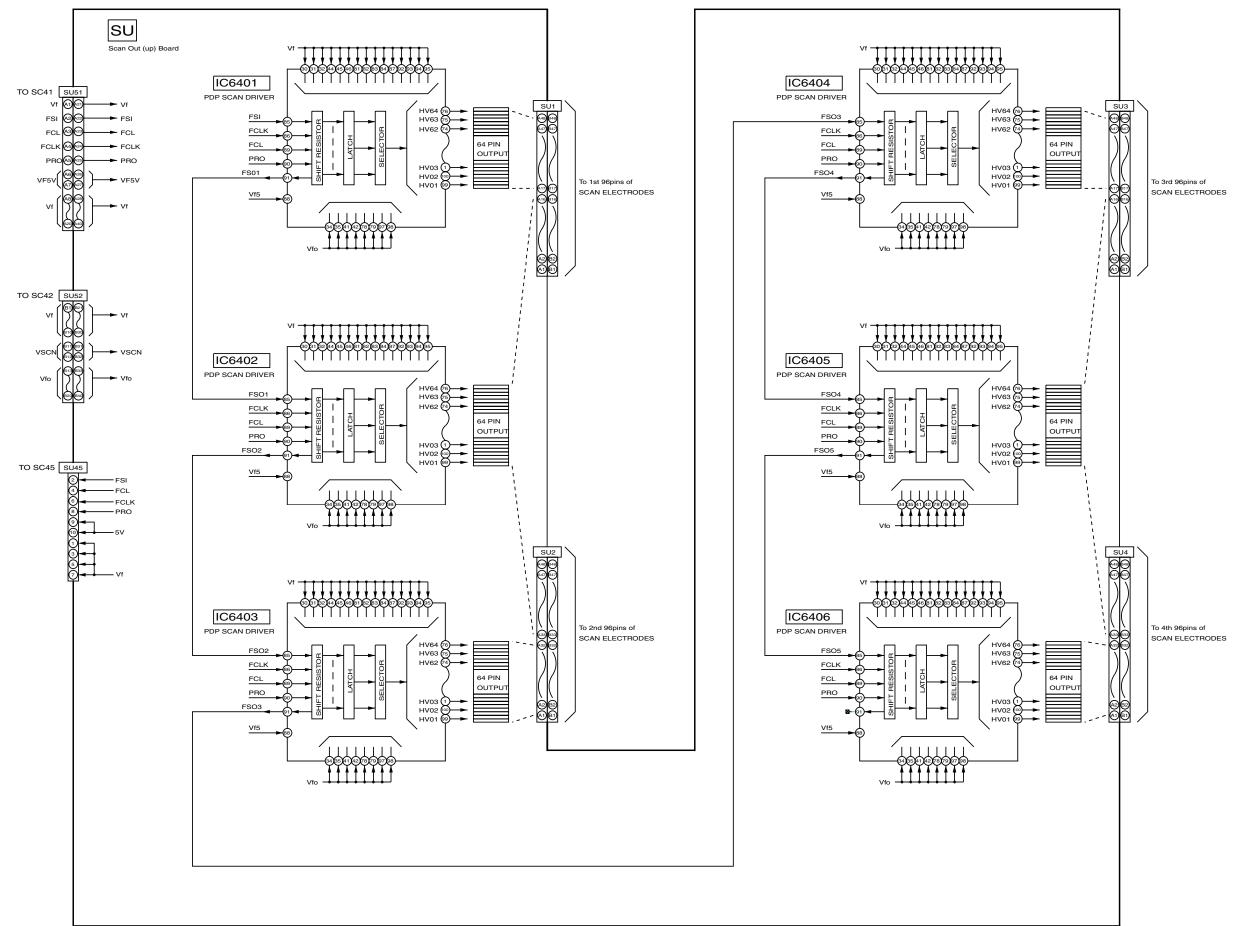


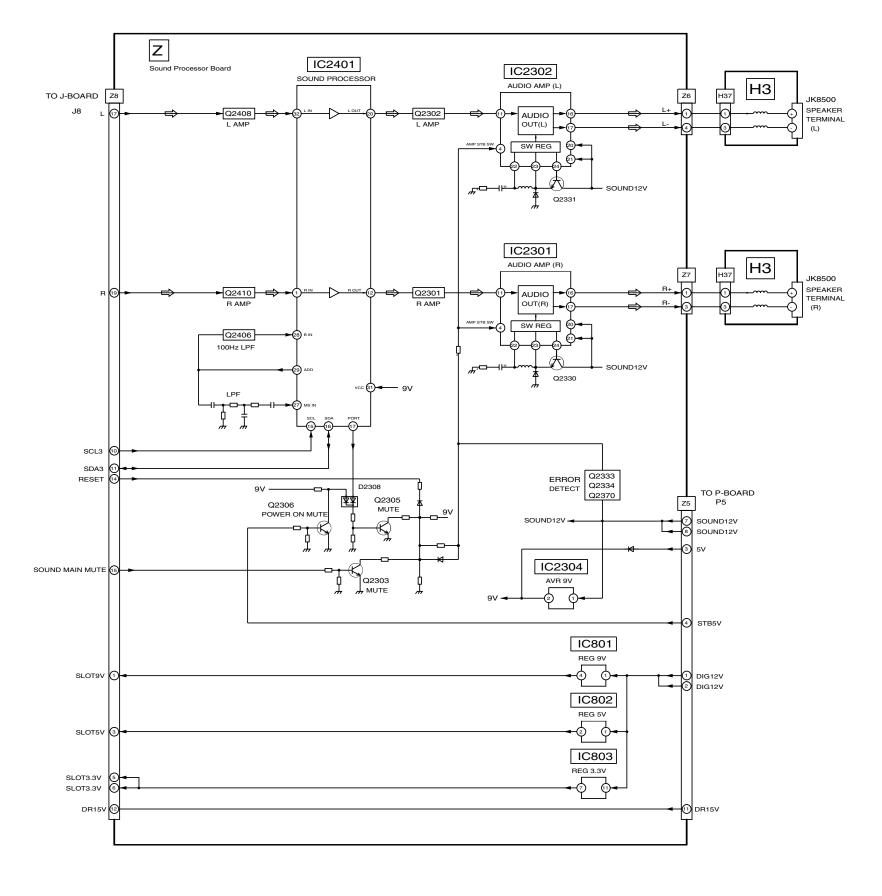


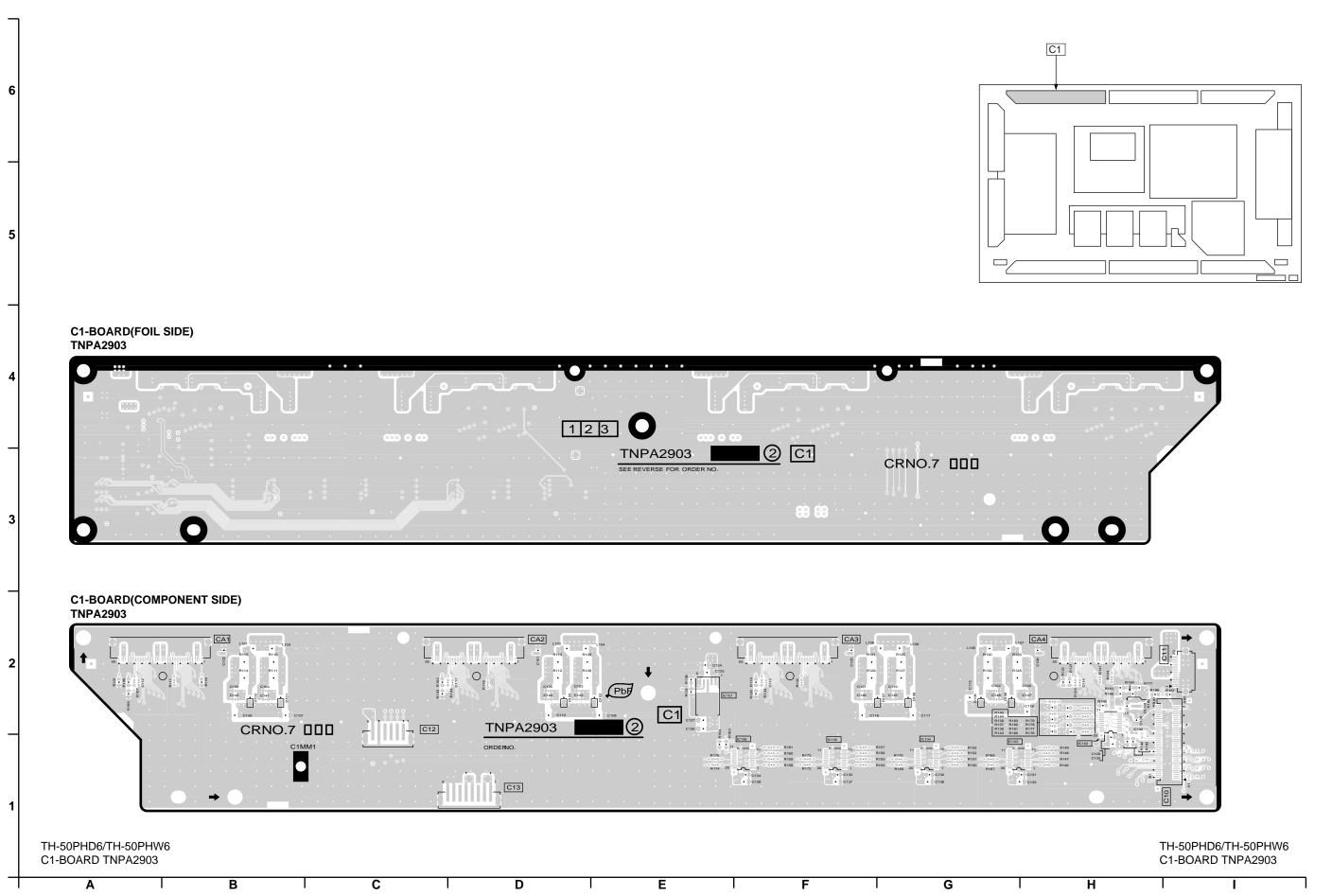


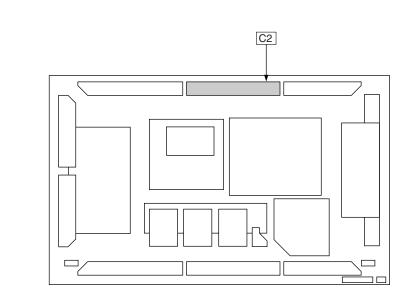








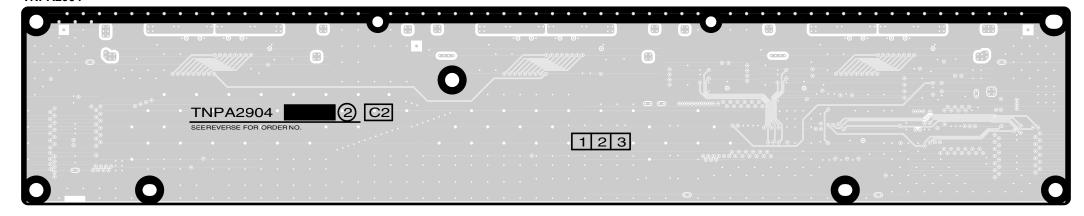




C2-BOARD(FOIL SIDE) TNPA2904

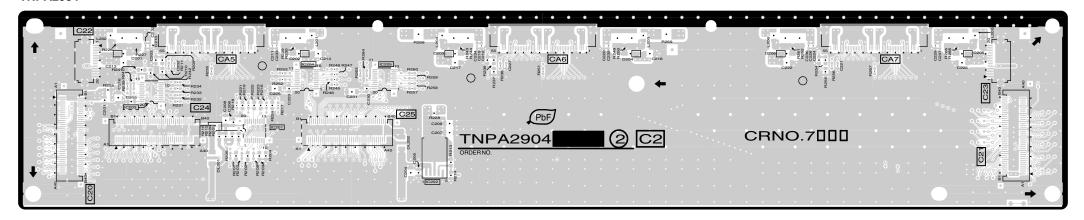
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C2-BOARD(COMPONENT SIDE) TNPA2904

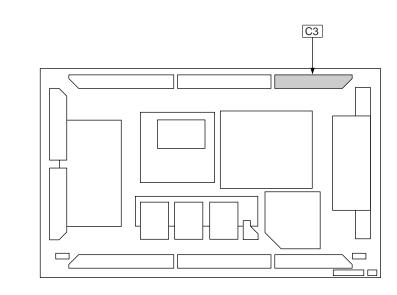
В



TH-50PHD6/TH-50PHW6 C2-BOARD TNPA2904 TH-50PHD6/TH-50PHW6 C2-BOARD TNPA2904

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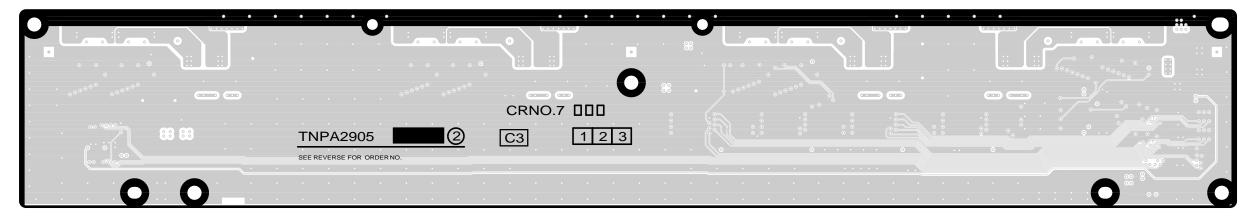


C3-BOARD(FOIL SIDE) TNPA2905

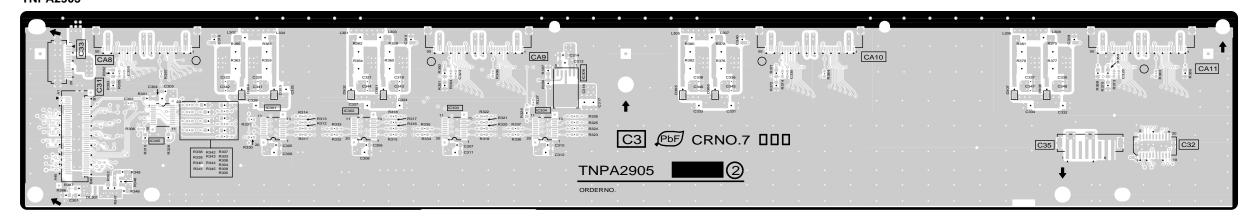
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C3-BOARD(COMPONENT SIDE) TNPA2905



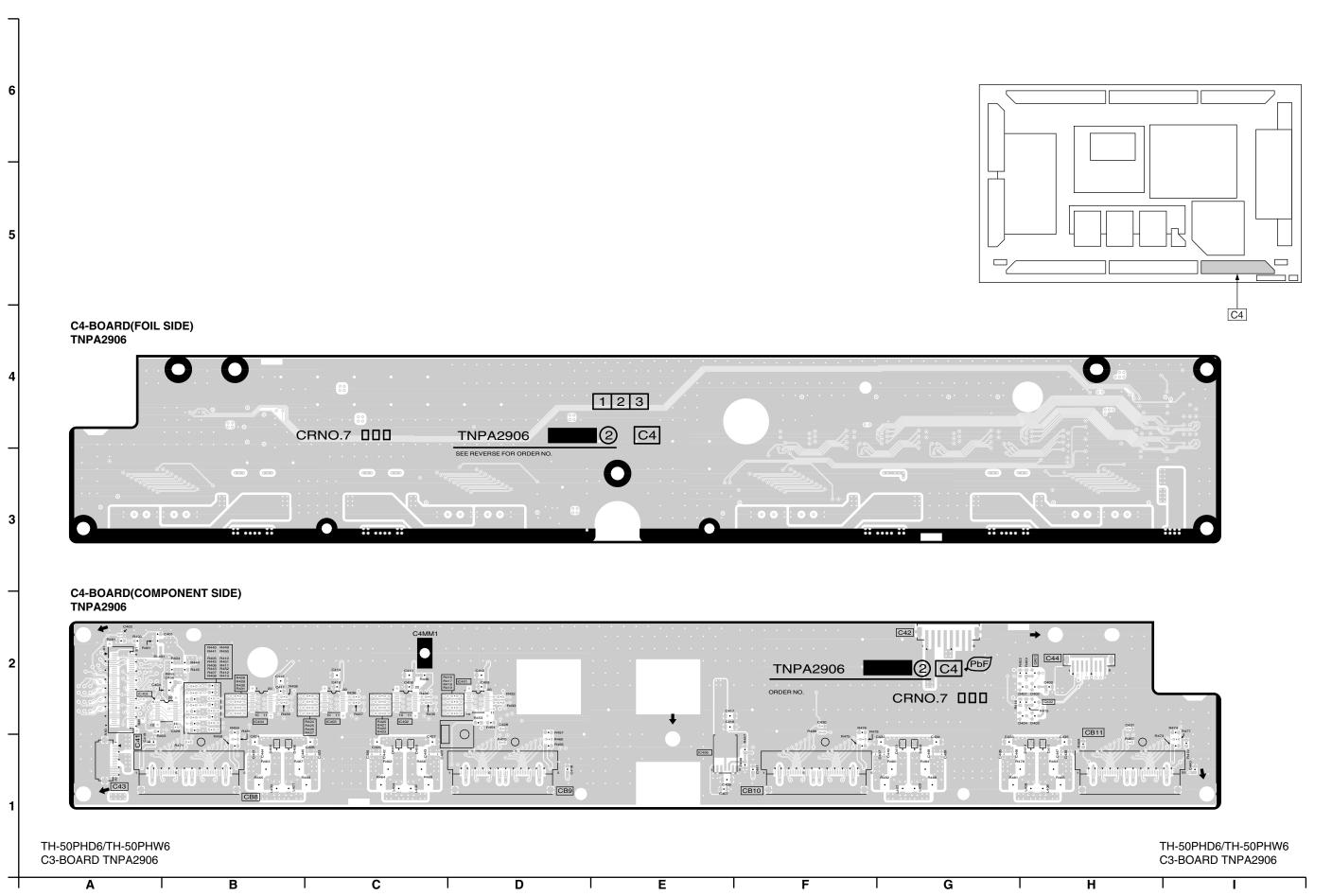
TH-50PHD6/TH-50PHW6 C3-BOARD TNPA2905

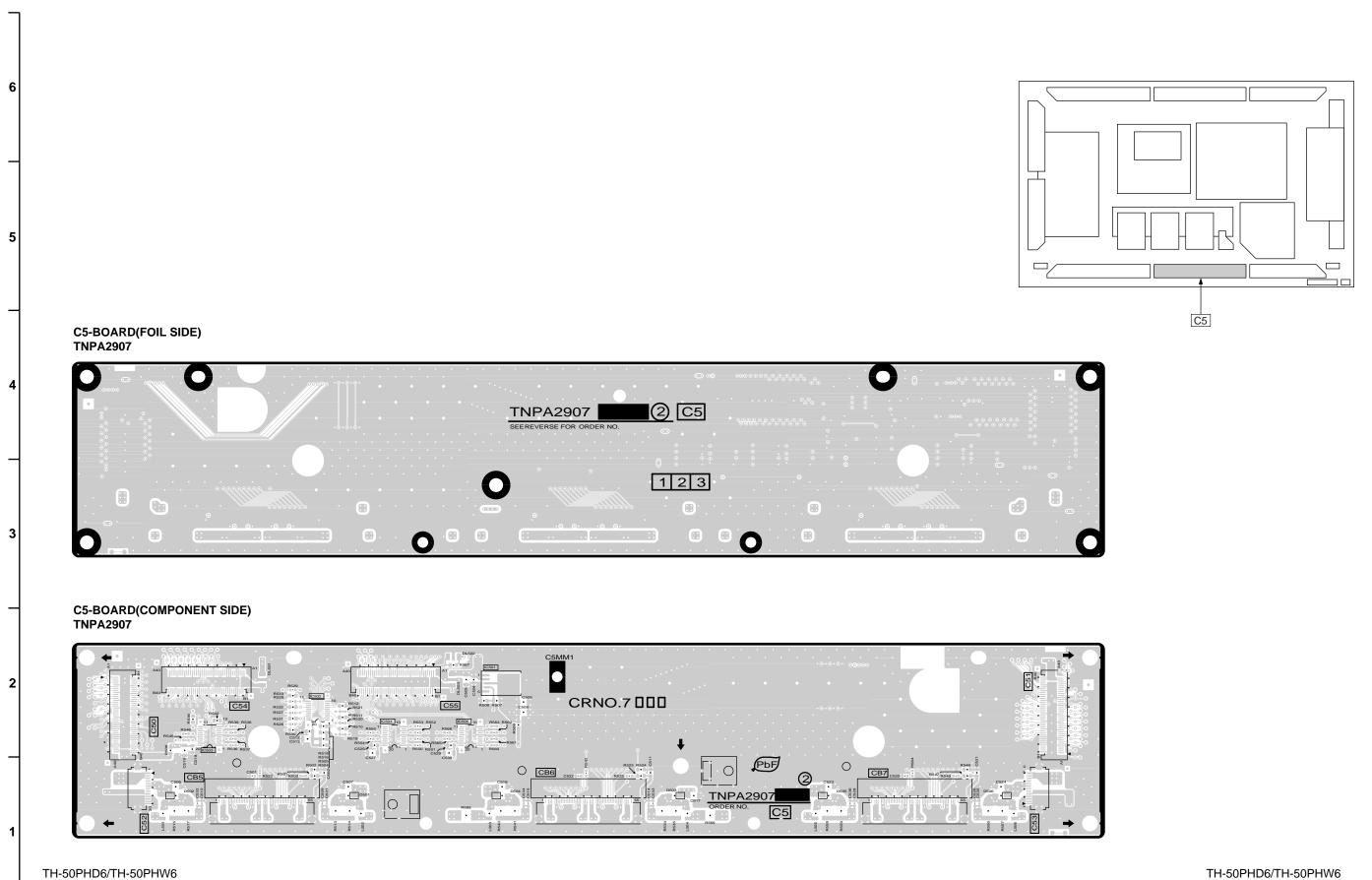
В

TH-50PHD6/TH-50PHW6 C3-BOARD TNPA2905

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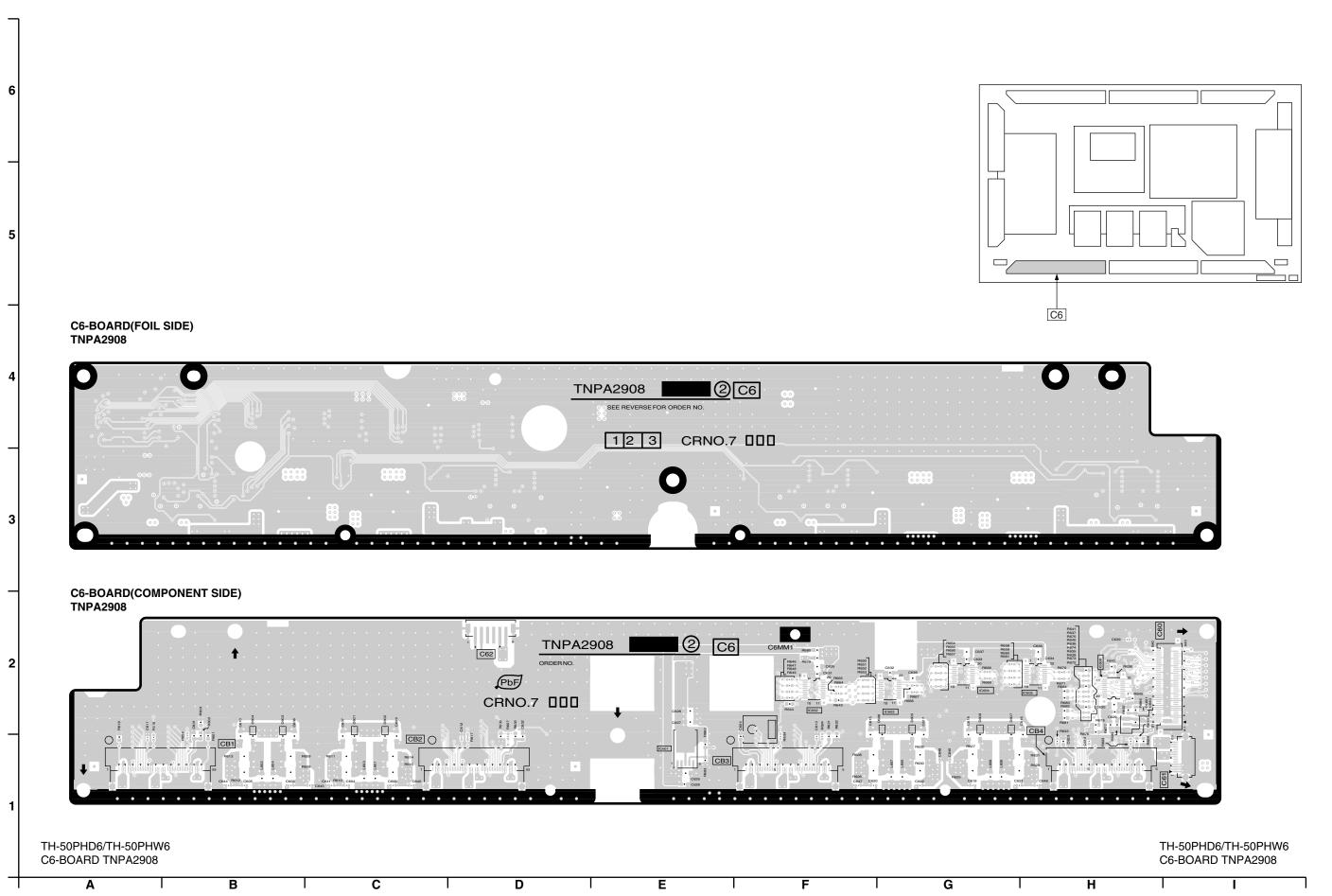
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C5-BOARD TNPA2907

A | B | C | D | E | F | G | H | I



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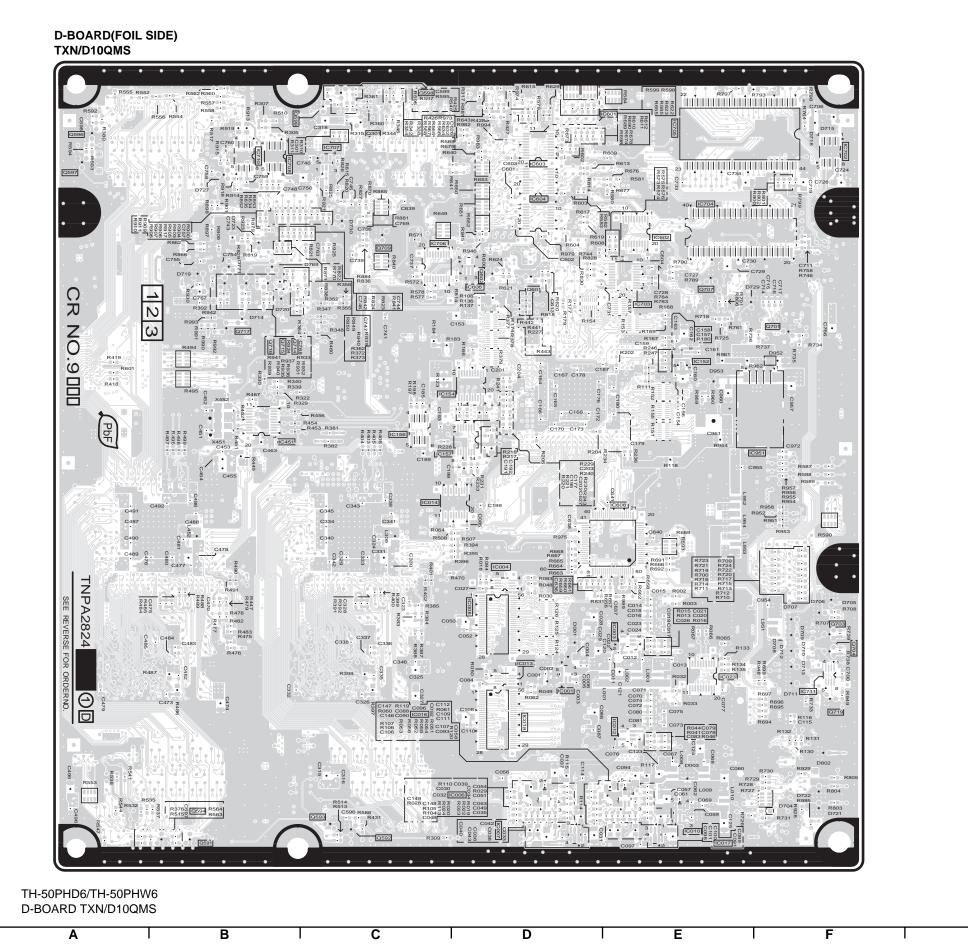
D-BOARD TXN/D10QMS

TH-50PHD6/TH-50PHW6 D-BOARD TXN/D10QMS

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A I B I C I D I E I F I



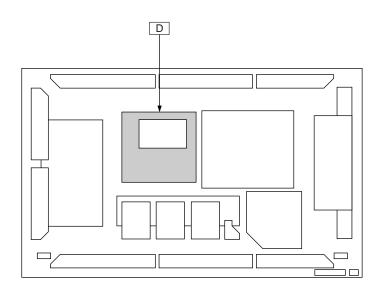
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TH-50PHD6/TH-50PHW6 D-BOARD TXN/D10QMS

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		D-BOARD (FOIL SIDE)		
IC		IC603	D-6	TRANSISTO	R
IC001 IC003 IC004 IC006 IC007 IC008 IC010 IC012 IC013 IC014 IC016 IC017 IC018 IC023 IC152 IC154 IC156 IC157 IC451 IC601	D-2 E-2 D-3 D-1 D-1 D-3 E-1 E-2 D-2 C-3 C-2 E-1 D-2 E-4 C-4 C-4 C-4 C-4 B-4 D-6 E-5	IC604 IC606 IC608 IC702 IC703 IC704 IC705 IC706 IC707 IC708 IC711 IC951	D-5 D-5 E-3 F-6 E-5 E-5 C-6 C-5 C-6 B-6 B-6 F-2 F-4	Q301 Q591 Q592 Q593 Q594 Q596 Q597 Q598 Q599 Q601 Q602 Q701 Q703 Q704 Q707 Q709 Q714 Q715 Q716 Q717 Q719	C-6 B-1 C-1 B-1 A-6 A-6 C-6 D-5 D-5 F-4 F-3 F-2 E-5 C-5 B-4 B-4 B-4 F-2

Parts Location

	D-BOARD (COMPONENT SIDE)						
IC		IC458	E-2	TRANSISTO	R		
IC002 IC005 IC009 IC011 IC015 IC019 IC151	B-3 C-3 C-2 B-2 C-2 C-2 C-4	IC459 IC605 IC607 IC701 IC709 IC712 IC800 IC952	F-4 C-6 D-5 B-6 E-5 A-6 F-5 B-3	Q001 Q002 Q400 Q702 Q706 Q708 Q710	C-3 C-2 F-5 A-4 A-4 D-6 A-5		
IC153 IC155	D-4 C-3	10002		TP			
IC301 IC302 IC303 IC304 IC305 IC306 IC452 IC453 IC454 IC455 IC456 IC457	E-4 E-4 D-2 D-4 D-4 E-2 F-2 F-3 F-4 E-6			TP0767 TP0768 TP0887 TP0889	D-3 D-3 E-3 E-3		



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HX-BOARD(FOIL SIDE)

TNPA2842 ①
SEE REVERSE FOR ORDER NO.

CR NO.3 DOD HX

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С

TXNHX10QBS

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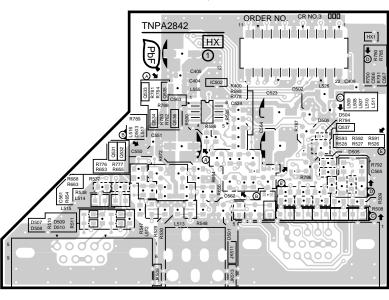
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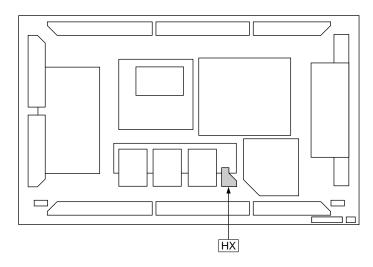
TH-50PHD6/TH-50PHW6 HX-BOARD TXNHX10QBS

Α

В

HX-BOARD(COMPONENT SIDE) TXNHX10QBS





Parts Location

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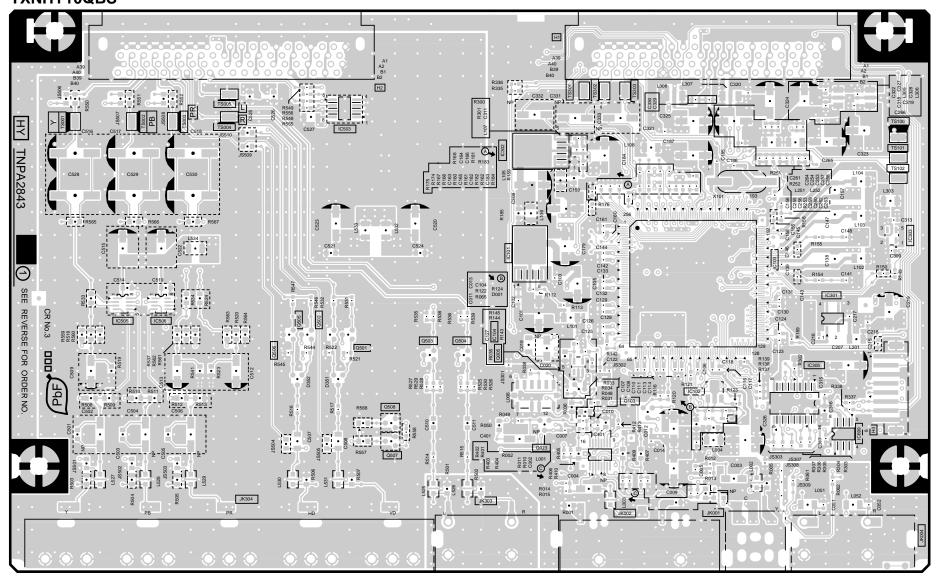
	HX-BOARD					
IC		TRANSISTO	R			
IC3502	E-4	Q3531	D-4			
		Q3532	D-4			
		Q3533	E-4			
		Q3534	E-4			
		Q3535	E-4			
		Q3536	E-4			
		Q3537	F-4			

HY-BOARD(COMPONENT SIDE) TXNHY10QBS

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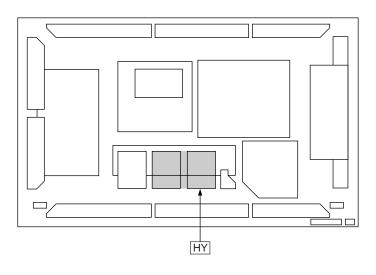
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Parts Location

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H,	Y-BOARD (CO	MPONENT SID	E)	
IC		TRANSISTOR		
IC3101	D-4	Q3005	D-3	
IC3102	E-3	Q3023	D-2	
IC3103	E-3	Q3103	E-3	
IC3104	D-3	Q3501	C-3	
IC3301	F-3	Q3502	C-3	
IC3302	D-4	Q3503	D-3	
IC3303	G-4	Q3504	D-3	
IC3305	F-3	Q3505	C-3	
IC3401	E-2	Q3506	C-3	
IC3503	C-5	Q3507	C-2	
IC3505	B-3	Q3508	C-3	
IC3506 IC3699	B-3 F-2	TP		
100000		TS001	A-5	
		TS002	B-5	
		TS003	B-5	
		TS004	B-6	
		TS005	B-7	
		TS100	G-4	
		TS101	G-4	
		TS102	G-4	
		TS301	E-5	
		TS302	E-5	
		TS303	E-5	

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TH-50PHD6/TH-50PHW6 HY-BOARD TXNHY10QBS

В

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TH-50PHD6/TH-50PHW6 HY-BOARD TXNHY10QBS

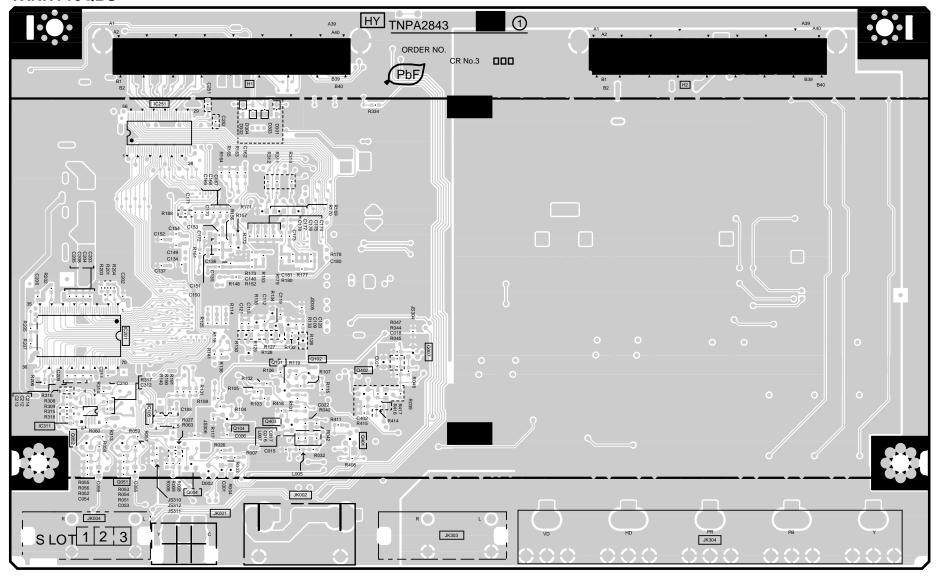
HY-BOARD(FOIL SIDE) TXNHY10QBS

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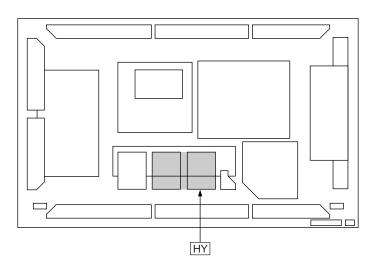
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Parts Location

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HY-BOARD (FOIL SIDE)					
IC		TRANSISTO	R		
IC3105	B-3	Q3004	B-2		
IC3201	A-3	Q3007	D-3		
IC3251	B-4	Q3051	A-2		
IC3311	A-3	Q3052	A-2		
		Q3101	C-3		
		Q3102	C-3		
		Q3104	B-2		
		Q3401	C-2		
		Q3402	C-3		
		Q3403	B-3		

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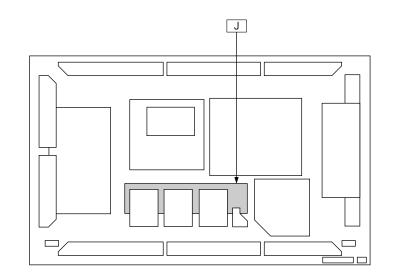
TH-50PHD6/TH-50PHW6 HY-BOARD TXNHY10QBS

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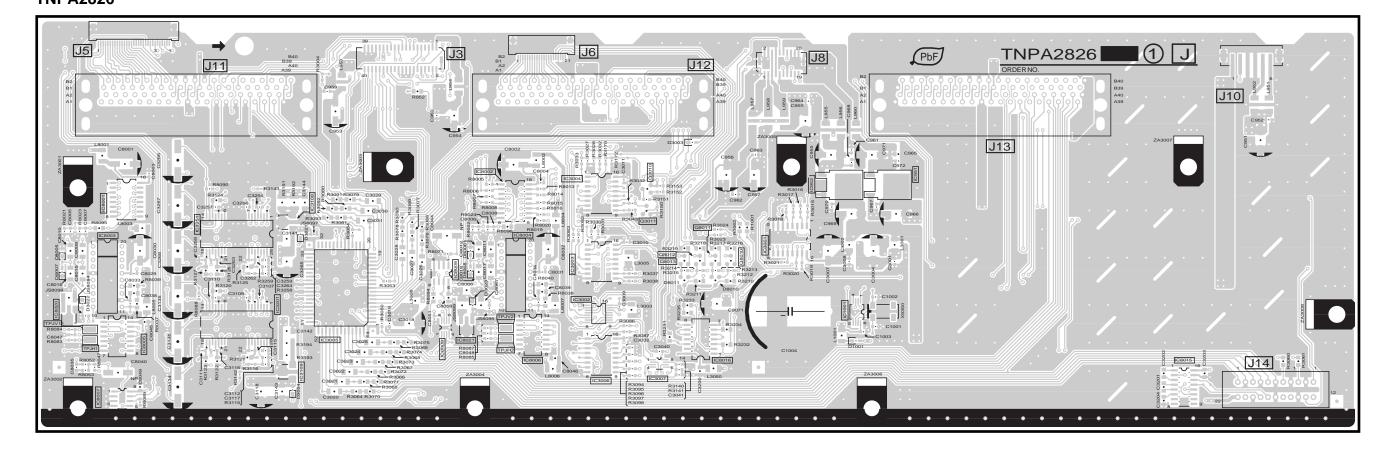
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TH-50PHD6/TH-50PHW6 HY-BOARD TXNHY10QBS



J-BOARD (COMPONENT SIDE)					
IC		TRANSISTO	R		
IC1001 IC3001 IC3002 IC3003	F-2 F-2 D-2 D-2	Q3010 Q3011 Q8010 Q8011	E-3 E-3 E-2 E-2		
IC3004 IC3005 IC3006	D-3 C-2 D-2	Q8012 Q8013	E-2 E-2		
IC3007 IC3108 IC3109 IC3201	E-1 B-2 B-1 B-2	TPJH1 TPJH2 TPJV1	A-2 D-2 A-2		
IC3251 IC8001 IC8002 IC8003	B-2 A-3 D-3 A-2	TPJV2	D-2		
IC8004 IC8005 IC8006 IC8007	D-2 A-2 D-2 A-1				
IC8008 IC8009 IC8015	C-2 C-2 H-1				
IC8016 IC8020 IC8021 IC951 IC952	E-2 A-2 D-2 F-3 F-3				

J-BOARD(COMPONENT SIDE) TNPA2826



TH-50PHD6/TH-50PHW6 J-BOARD TNPA2826 TH-50PHD6/TH-50PHW6 J-BOARD TNPA2826

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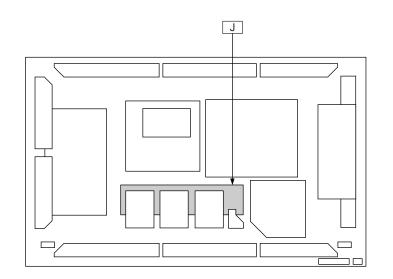
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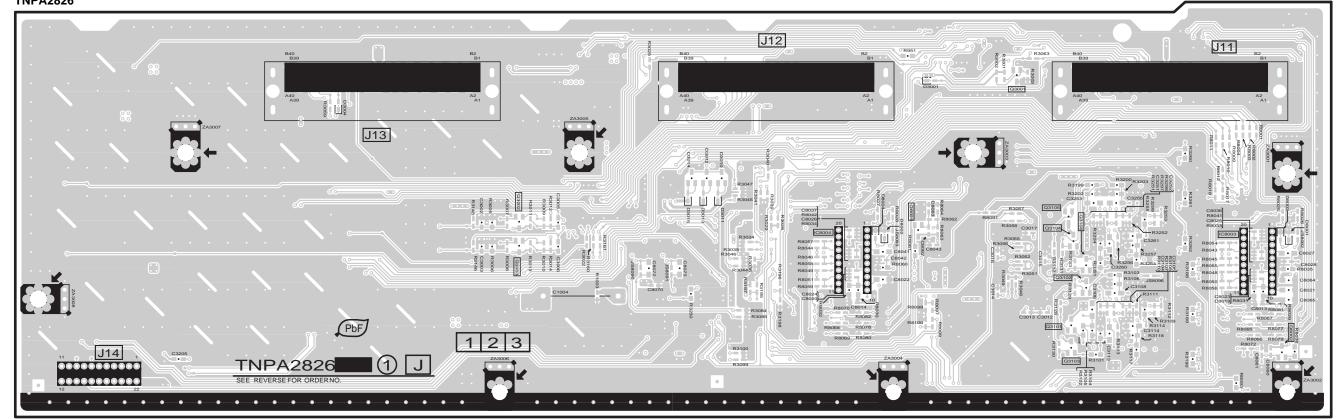
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J-BOARD INPAZ



J-BOARD (FOIL SIDE)						
IC		TRANSISTO	R			
IC8003 IC8004	I-2 F-2	Q3001 Q3002 Q3003 Q3101 Q3102 Q3103 Q3104 Q3105 Q3106	G-3 D-2 D-2 H-2 H-2 H-1 H-2 H-2			
		Q8001 Q8002	G-2 I-2			

J-BOARD (FOIL SIDE) TNPA2826



TH-50PHD6/TH-50PHW6 J-BOARD TNPA2826

Α

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TH-50PHD6/TH-50PHW6 J-BOARD TNPA2826

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TH-50PHD6/TH-50PHW6 P-BOARD TNPA2890

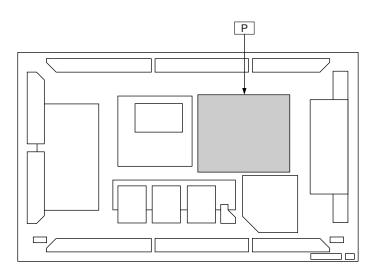
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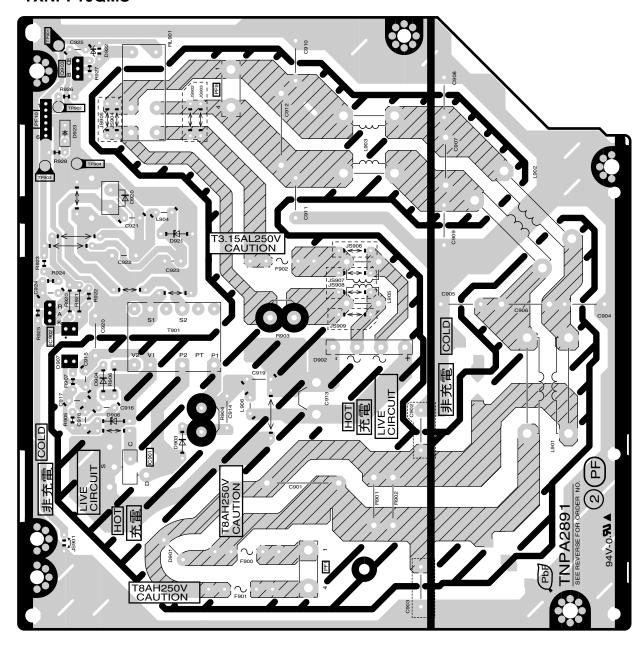
P-BOARD							
IC	TRANSISTOR	Q516	C-3	TP			
IC401 H-3 IC402 H-3 IC403 H-3 IC404 H-3 IC406 F-2 IC408 G-3 IC409 G-3 IC501 H-5 IC502 H-5 IC503 H-4 IC511 F-5 IC512 F-6 IC520 G-4 IC521 B-3 IC522 B-3 IC523 G-4	Q401 F-1 Q404 D-2 Q406 E-3 Q407 E-1 Q409 G-3 Q410 D-1 Q411 D-1 Q412 E-4 Q413 E-4 Q414 C-2 Q420 F-1 Q421 F-3 Q501 H-4 Q502 H-4 Q503 H-5 Q504 B-2 Q505 G-5 Q509 G-5 Q510 G-5 Q511 B-4 Q512 B-3 Q513 B-3 Q514 B-2 Q515 B-2	Q517 Q518 Q519 Q520 Q521 Q522 Q524 Q525 Q527 Q528 Q530 Q531 Q532 Q535 Q537 Q540 Q541 Q542 Q544 Q545 Q546 Q547 Q549 Q550 Q551 Q552 Q553	B-3 F-4 F-4 B-3 H-4 H-5 G-2 F-5 B-3 F-5 G-5 H-5 G-5 G-4 G-4 H-6 H-5 H-6 H-5 H-6 G-6 G-6	TP1 TP2 TP3 TP4 TP5 TP6 TP7 TP8 TP9 TP10 TP11 TP12 TP13	D-2 C-3 D-3 D-3 E-2 E-1 E-2 C-6 B-6 C-6 C-6 F-4		

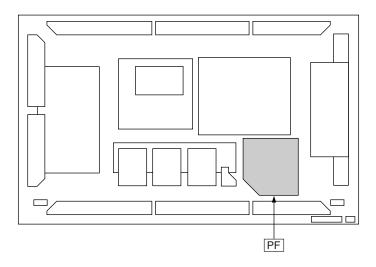
PF-BOARD TXNPF10QMS

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Parts Location

PF-BOARD				
IC TP				
IC901 IC902	B-3 A-3	TP9001 TP902	A-5 A-5	
TRANSISTO	R	TP903 TP904	A-4 A-4	
Q903	A-5			

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TH-50PHD6/TH-50PHW6 PF-BOARD TXNPF10QMS

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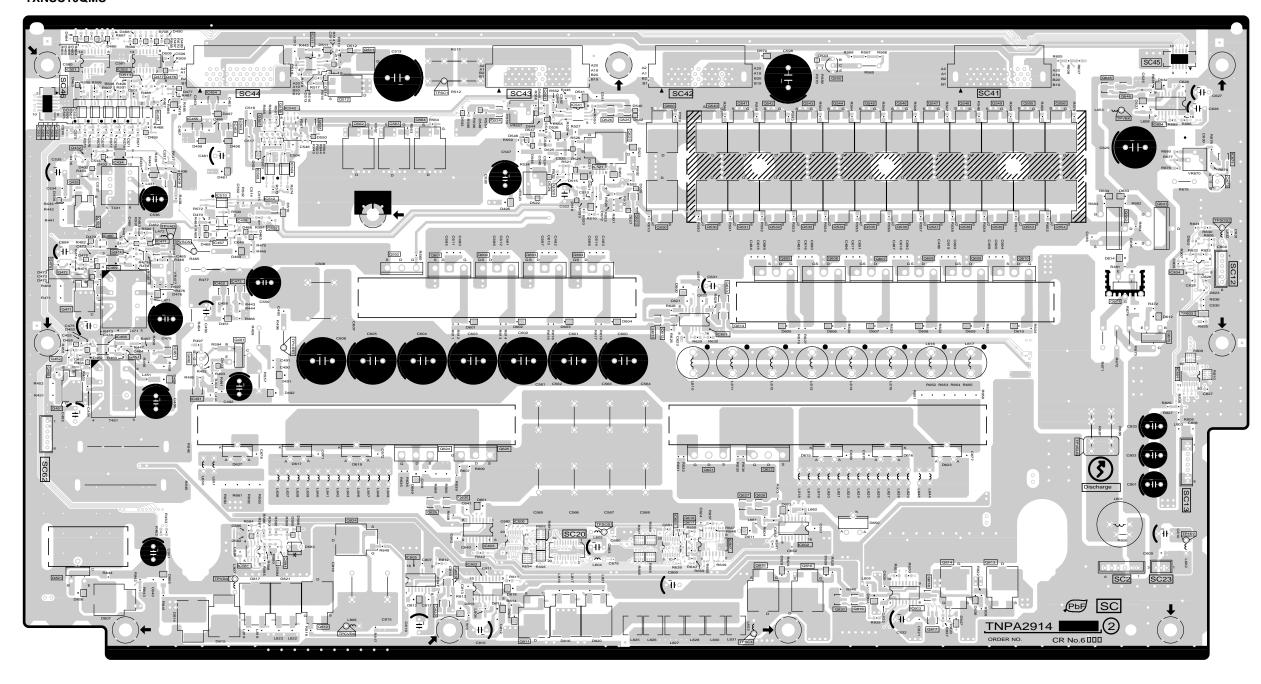
SC-BOARD(COMPONENT SIDE)
TXNSC10QMS

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TH-50PHD6/TH-50PHW6 SC-BOARD TXNSC10QMS

В

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TH-50PHD6/TH-50PHW6 SC-BOARD TXNSC10QMS

SC-BOARD(FOIL SIDE) TXNSC10QMS ТРБИ трьо трво TP61 TP62 TP56 SC43 TP70 TP808 1 2 3 D583

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TH-50PHD6/TH-50PHW6 SC-BOARD TXNSC10QMS

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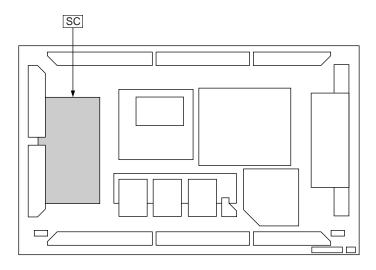
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TH-50PHD6/TH-50PHW6 SC-BOARD TXNSC10QMS

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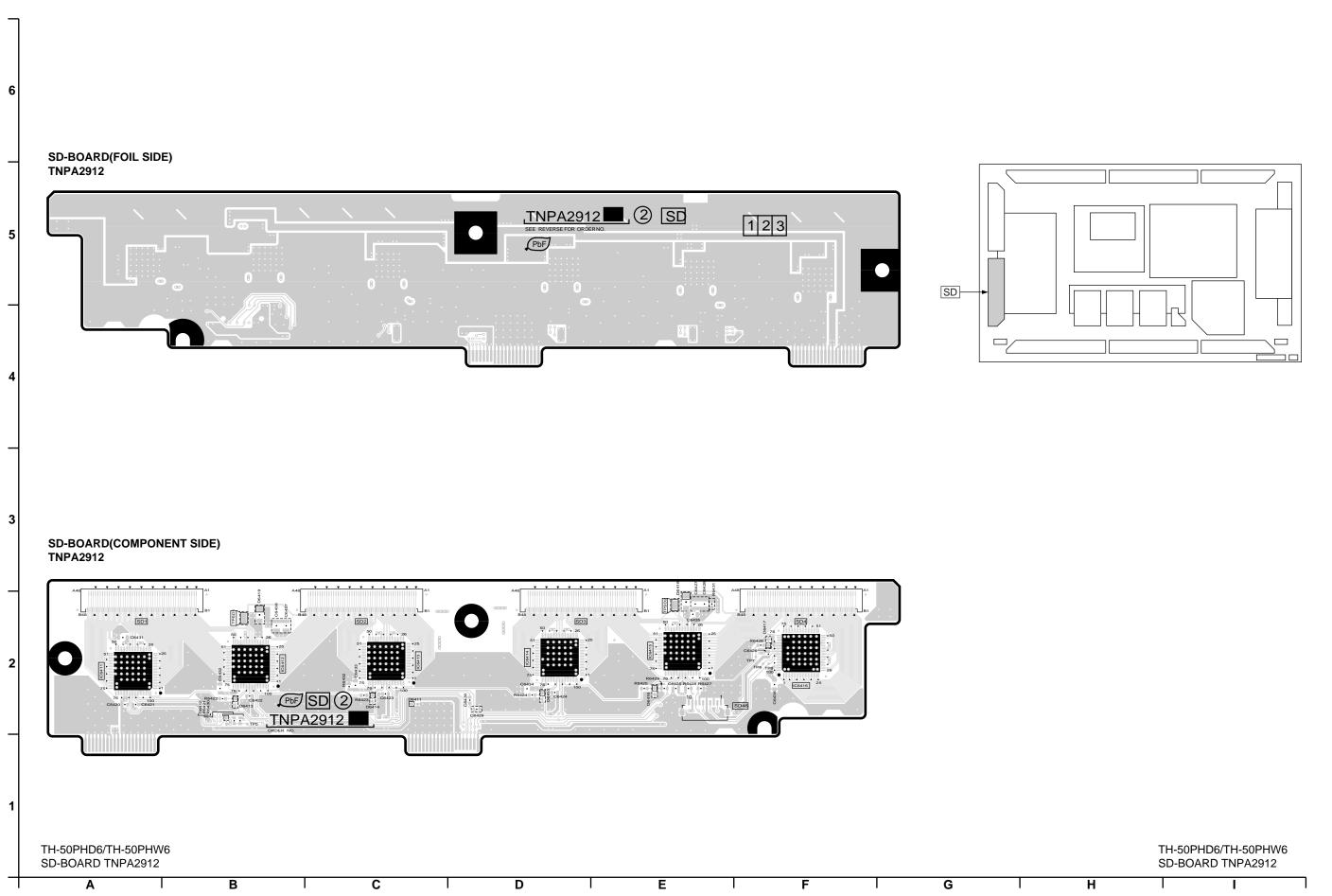
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	SC-BOARD (FOIL SIDE)							
TRANSISTOR	TP		TP55	D-5				
Q6491 H-3	TP1	B-2	TP56	D-5				
Q6492 H-3	TP2	D-2	TP57	E-5				
Q6550 D-5	TP3	A-2	TP58	E-5				
Q6552 F-4	TP4	E-4	TP59	F-5				
Q6601 F-4	TP6	A-2	TP60	F-5				
Q6602 F-4	TP7	A-2	TP61	G-5				
Q6603 E-4	TP8	H-2	TP62	G-5				
Q6604 E-4	TP9	I-3	TP63	H-5				
Q6605 D-4	TP10	E-2	TP70	E-5				
Q6606 D-4	TP11	E-2	TP71	A-4				
Q6607 C-4	TP12	E-2	TP72	B-4				
Q6608 C-4	TP14	E-2	TP73	A-4				
Q6609 C-4	TP15	E-2	TP74	A-4				
Q6610 B-4	TP16	E-2	TP75	A-5				
Q6621 D-3	TP17	E-2	TP76	H-3				
Q6622 D-3	TP20	B-3	TP77	G-3				
Q6624 F-3	TP21	E-2	TP80	E-5				
Q6625 F-3	TP22	E-2	TP81	E-5				
Q6641 A-4	TP23	E-2	TP83	E-5				
Q6642 B-4	TP24	E-2	TP84	E-5				
Q6671 A-4	TP25	E-2	TP6804	A-3				
Q6672 A-3	TP26	E-2	TP6806	A-3				
Q6673 A-4	TP27	E-2	TP6808	E-4				
Q6821 I-2	TP28	E-2	TP6809	A-2				
	TP29	E-2	TP6810	A-5				
	TP30	I-5	TP6811	A-4				
	TP31	E-5	TP6813	A-4				
	TP40	B-5	TP6814	I-3				
	TP41	B-5	TP6815	A-3				
	TP42	B-5	TP6818	A-4				
	TP43	B-5	TP6819	A-4				
	TP44	B-5	TP6820	A-4				
	TP45	B-5	TP6821	A-4				
	TP46	H-5	TP6823	B-2				
	TP47	H-5						
	TP48	H-5						
	TP49	H-5						
	TP50	H-5						
	TP51	C-5						
	TP54	C-5						

Parts Location

		8	C-BOARD (CC	MPONENT SI	DE)		
IC		IC6801	I-3	Q6541	F-5	Q6624	D-3
		IC6802	D-2	Q6542	F-5	Q6625	D-3
IC6431	B-5	IC6803	G-2	Q6543	F-5	Q6627	F-2
IC6434	A-5	IC6804	H-4	Q6544	F-5	Q6628	F-2
IC6451	B-3	IC6805	C-2	Q6545	F-5	Q6629	D-2
IC6452	B-4			Q6546	G-5	Q6630	D-2
IC6453	B-5	TRANSISTO	R	Q6547	G-5	Q6641	H-4
IC6454	B-5	Q6308	G-4	Q6548	G-5	Q6642	H-4
IC6455	B-5	Q6431	A-4	Q6549	G-5	Q6645	H-5
IC6456	A-4	Q6432	A-5	Q6550	F-5	Q6646	H-5
IC6457	B-5	Q6435	A-5	Q6551	D-5	Q6671	H-4
IC6458	A-4	Q6451	A-3	Q6552	C-4	Q6672	H-4
IC6459	B-4	Q6453	A-3	Q6553	G-4	Q6673	I-5
IC6467	B-4	Q6458	A-3	Q6554	H-4	Q6811	D-2
IC6471	B-4	Q6471	A-3 A-4	Q6555	G-5	Q6812	C-2
IC6472	B-4	Q6471 Q6472	A-4 A-4	Q6556	C-5	Q6813	G-2
IC6480	A-4		A-4 A-4	Q6558	H-5	Q6814	G-2 G-2
IC6491	B-3	Q6474		Q6561	C-5		F-2
IC6501	A-5	Q6475	A-4	Q6562	C-5 C-5	Q6815	
IC6502	B-5	Q6476	B-5			Q6816	F-2
IC6503	B-5	Q6477	B-5	Q6563	C-5	Q6817	G-2
IC6504	C-5	Q6491	B-3	Q6564	C-5	Q6818	G-2
IC6504	A-5	Q6492	B-3	Q6567	B-5	Q6819	F-2
		Q6512	C-5	Q6581	C-2	Q6820	F-2
IC6506	A-5	Q6513	B-5	Q6590	E-4	Q6821	A-2
IC6507	A-5	Q6520	D-5	Q6600	E-5	Q6822	D-2
IC6508	A-5	Q6521	E-5	Q6601	D-4	Q6823	D-2
IC6509	A-5	Q6522	B-4	Q6602	D-4	Q6824	C-2
IC6510	B-4	Q6523	E-4	Q6603	D-4		
IC6511	C-5	Q6524	D-5	Q6604	E-4	TP	
IC6512	B-4	Q6525	E-5	Q6605	F-4	TP6803	1-4
IC6521	E-5	Q6526	E-5	Q6606	F-4	TP15V	I-2
IC6541	E-5	Q6530	E-4	Q6607	G-4	TPAVAD	B-4
IC6542	C-5	Q6531	F-4	Q6609	G-4	TPCVDA	C-2
IC6543	B-5	Q6532	F-4	Q6610	G-4	TPSC1	D-5
IC6581	B-2		F-4 F-4	Q6611	E-4	TPSC4	F-2
IC6601	E-4	Q6533	F-4 F-4	Q6612	E-4 E-4	TPSOS1	E-2
IC6602	F-2	Q6534		Q6613	E-4 E-4	TPSOS2	1-4
IC6603	D-2	Q6535	F-4			TPVBK	H-5
IC6604	H-5	Q6536	G-4	Q6614	E-4	TPVDA	B-2
IC6605	E-2	Q6537	G-4	Q6616	E-2		
IC6606	D-2	Q6538	G-4	Q6617	E-2	TPVSCN	B-4
IC6607	E-2	Q6539	G-4	Q6621	E-3	TPVSET	C-3
	I-5	Q6540	E-5	Q6622	F-3	TPVSUS	H-3
IC6671	1-5	1			1		



SS2-BOARD(COMPONENT SIDE) TNPA2919

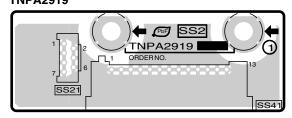
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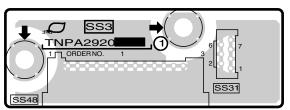
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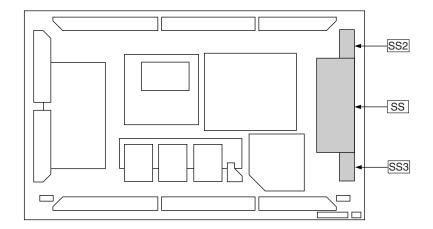
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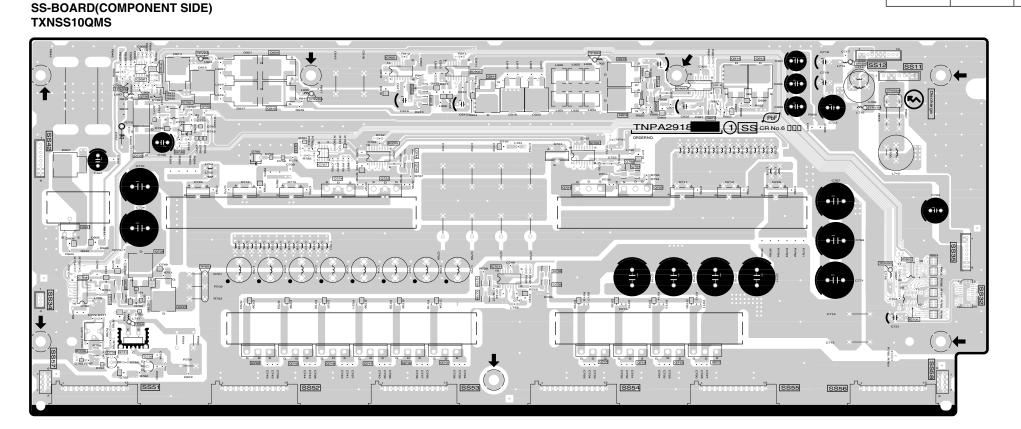
SS3-BOARD(COMPONENT SIDE) **TNPA2920**





Parts Location

	s	S-BOARD (CO	MPONENT SIE	DE)	
IC		Q6718	C-2	Q6912	B-4
		Q6719	C-2	Q6913	F-4
IC6701	D-2	Q6720	B-2	Q6914	E-4
IC6702	E-3	Q6721	D-3	Q6915	E-4
IC6703	C-3	Q6722	E-3	Q6916	E-4
IC6704	A-2	Q6723	C-3	Q6917	E-4
IC6705	B-4	Q6724	C-3	Q6918	E-4
IC6706	G-2	Q6725	B-4	Q6919	E-4
IC6707	C-3	Q6727	B-2	Q6920	E-4
IC6709	A-2	Q6728	B-3	Q6921	A-3
IC6901	G-3	Q6729	A-3	Q6922	C-4
IC6902	D-4	Q6730	A-4	Q6923	C-4
IC6903	E-4	Q6731	A-2	Q6924	B-4
IC6904	A-4	Q6732	D-3		
IC6905	C-4	Q6733	D-2	TP	
TRANSISTO	OR .	Q6734	D-2	TP6903	B-4
	T	Q6735	D-2	TP15V	F-4
Q6701	E-3	Q6736	A-2	TPSOS2	A-4
Q6702	E-3	Q6737	A-2	TPSOS3	F-3
Q6711	E-2	Q6738	A-2	TPSS1	B-2
Q6712	E-2	Q6739	B-2	TPSS4	E-4
Q6713	E-2	Q6740	B-3	TPSVDA	C-4
Q6714	E-2	Q6741	C-3	TPVDA	B-4
Q6715	D-2	Q6744	C-3	TPVDA	F-4
Q6716	C-2	Q6745	C-3	TPVe	A-2
Q6717	C-2	Q6911	D-4	TPVSUS	G-4



TH-50PHD6/TH-50PHW6 SS-BOARD TXNSS10QMS SS2-BOARD TNPA2919 SS3-BOARD TNPA2920

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TH-50PHD6/TH-50PHW6 SS-BOARD TXNSS10QMS SS2-BOARD TNPA2919 SS3-BOARD TNPA2920

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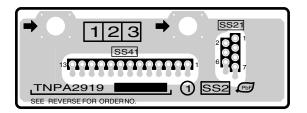
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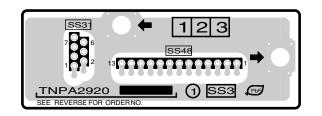
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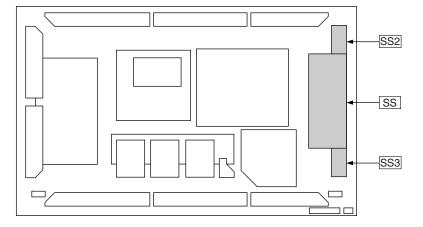
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SS3-BOARD(FOIL SIDE) TNPA2920

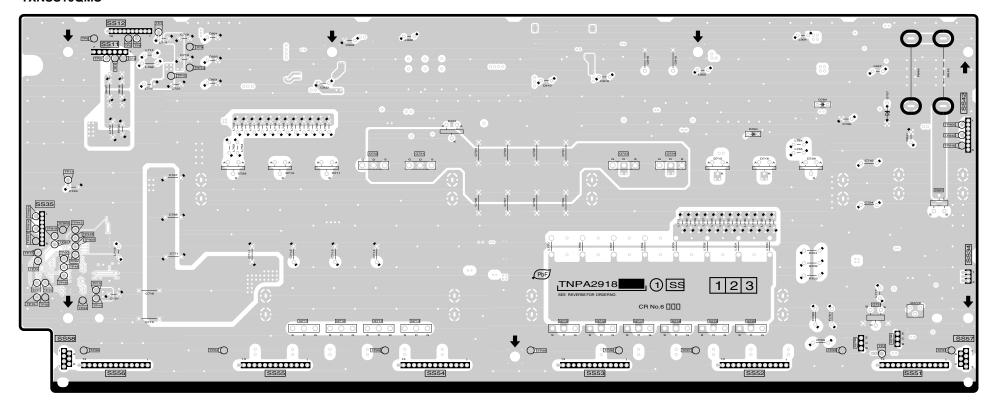




Parts Location

SS-BOARD (FOIL SIDE)								
TRANSISTOR		TP		TP23	A-2			
Q6711 Q6712 Q6713 Q6714 Q6715 Q6716 Q6717 Q6718 Q6719 Q6720 Q6721 Q6722 Q6721 Q6722 Q6723 Q6724 Q6731 Q6738 Q6738 Q6738 Q6739 Q6921	G-2 G-2 C-2 C-2 D-2 E-2 E-2 E-2 F-2 C-3 C-3 E-3 E-3 E-3 F-2 G-2 F-2	TP1 TP2 TP3 TP4 TP5 TP6 TP7 TP8 TP9 TP10 TP11 TP12 TP13 TP14 TP15 TP16 TP17 TP18 TP19 TP20	A-4 A-4 A-4 F-2 B-4 A-4 B-4 B-4 B-4 A-3 B-4 A-2	TP24 TP25 TP26 TP27 TP28 TP29 TP30 TP31 TP32 TP33 TP6904 TP6905 TP6910 TP6911 TP6913 TP6914 TP6915 TP6918 TP6919 TP6920 TP6921	B-2 C-2 E-2 F-2 D-2 A-2 G-2 A-2 A-3 G-3 G-3 A-2 A-3 A-3 A-3 A-3 A-2 A-2 A-2 A-2 A-2 A-2 A-2			
		TP21 TP22	A-2 A-2	TP6921 TP6923	A-2 A-3			

SS-BOARD(FOIL SIDE) TXNSS10QMS



TH-50PHD6/TH-50PHW6 SS-BOARD TXNSS10QMS SS2-BOARD TNPA2919 SS3-BOARD TNPA2920

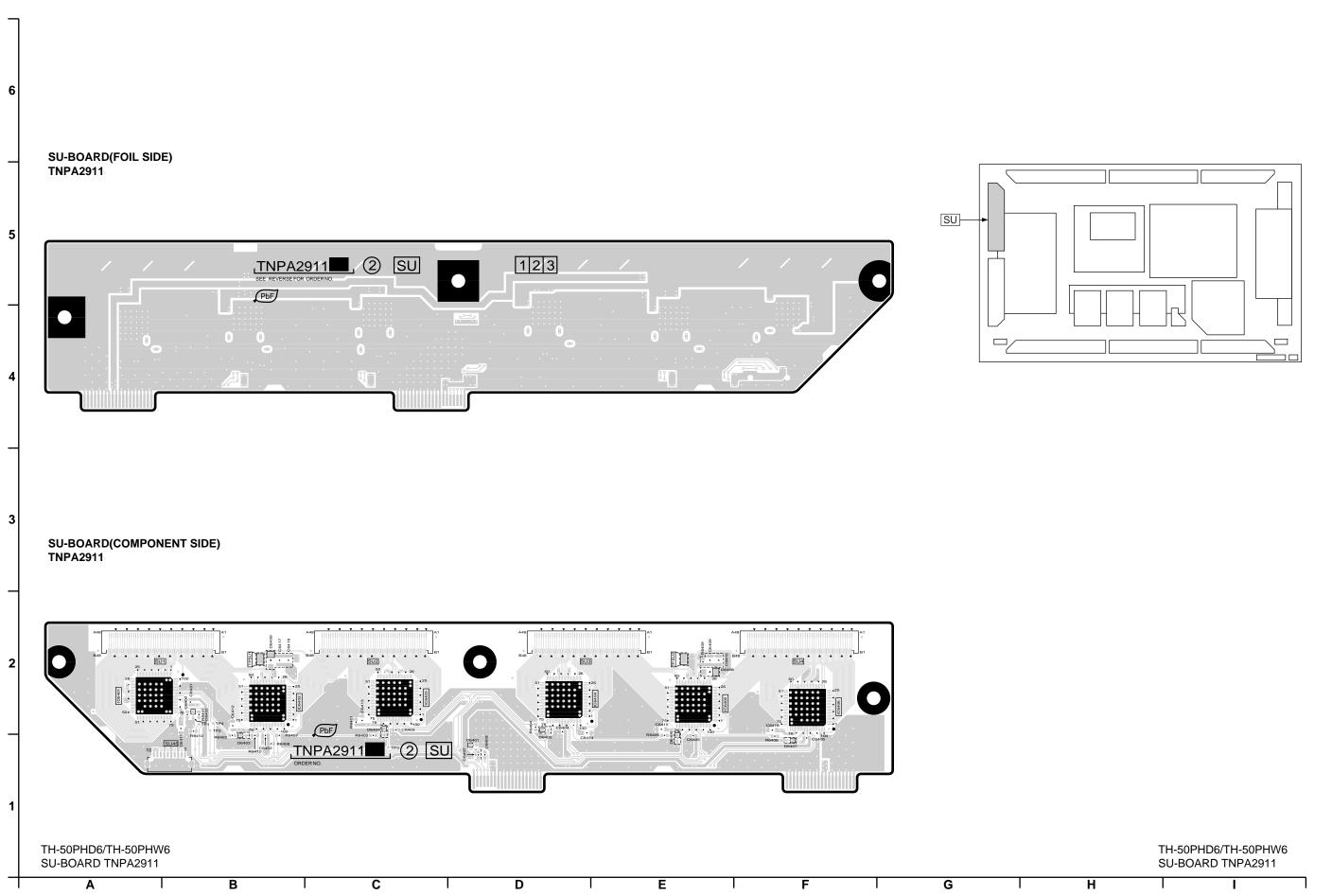
TH-50PHD6/TH-50PHW6 SS-BOARD TXNSS10QMS SS2-BOARD TNPA2919 SS3-BOARD TNPA2920

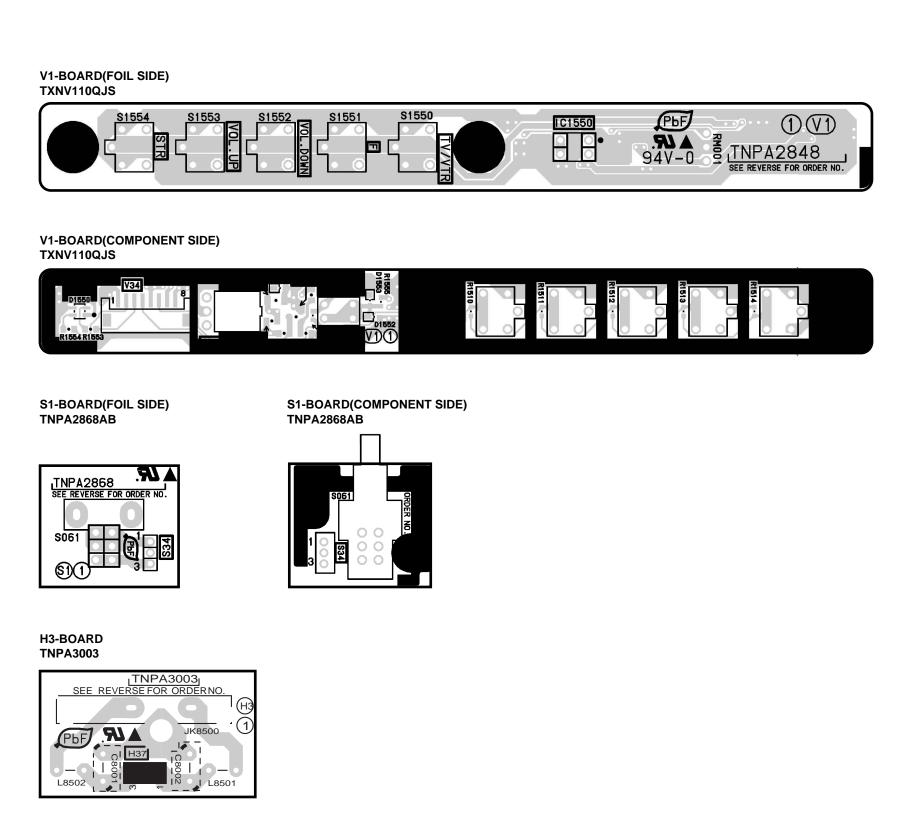
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TH-50PHD6/TH-50PHW6 V1-BOARD TXNV110QJS S1-BOARD TNPA2868AB H3-BOARD TNPA3003

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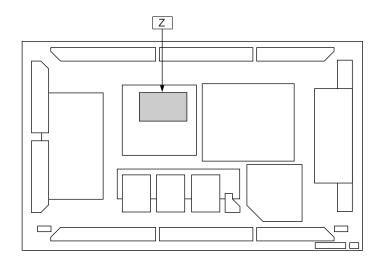
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TH-50PHD6/TH-50PHW6 V1-BOARD TXNV110QJS S1-BOARD TNPA2868AB H3-BOARD TNPA3003



Z-BOARD(FOIL SIDE) TXN/Z10QBS

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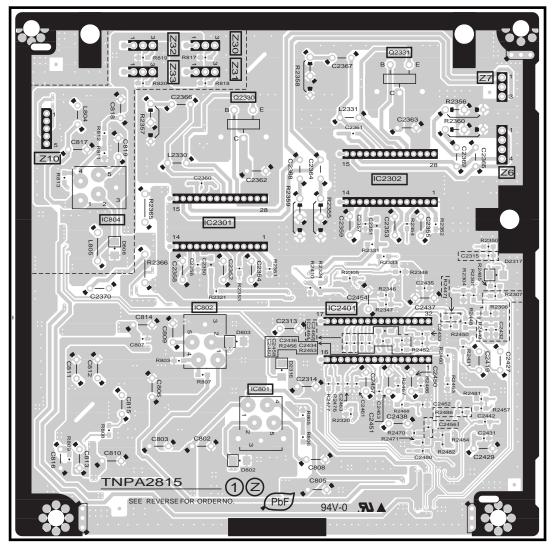
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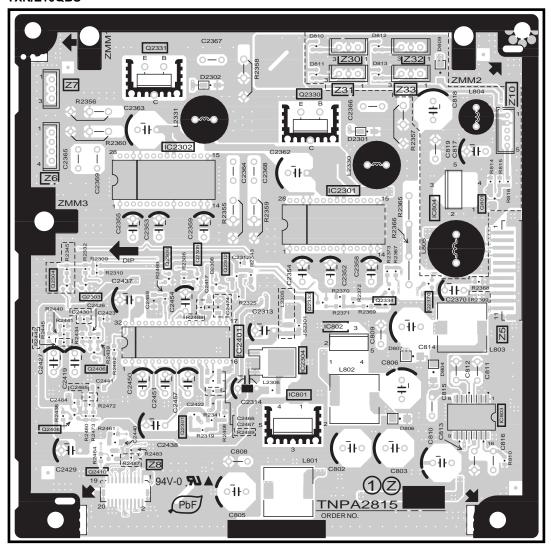
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Parts Location

Z-BOARD						
IC		TRANSISTO	TRANSISTOR			
IC2301	B-3	Q2301	F-2			
IC2301	G-3	Q2302	F-3			
IC2302	C-3	Q2303	F-3			
IC2302	F-4	Q2304	E-3			
IC2304	G-2	Q2305	F-3			
IC2401	C-2	Q2306	F-3			
IC2401	F-2	Q2330	B-4			
IC801	B-2	Q2330	G-4			
IC801	G-2	Q2331	C-4			
IC802	B-2	Q2331	F-4			
IC802	G-2	Q2333	G-3			
IC803	H-2	Q2334	G-3			
IC804	A-3	Q2370	H-3			
IC804	H-3	Q2406	F-2			
		Q2408	E-2			
		Q2410	F-2			
		Q801	H-3			

Z-BOARD(COMPONENT SIDE) TXN/Z10QBS



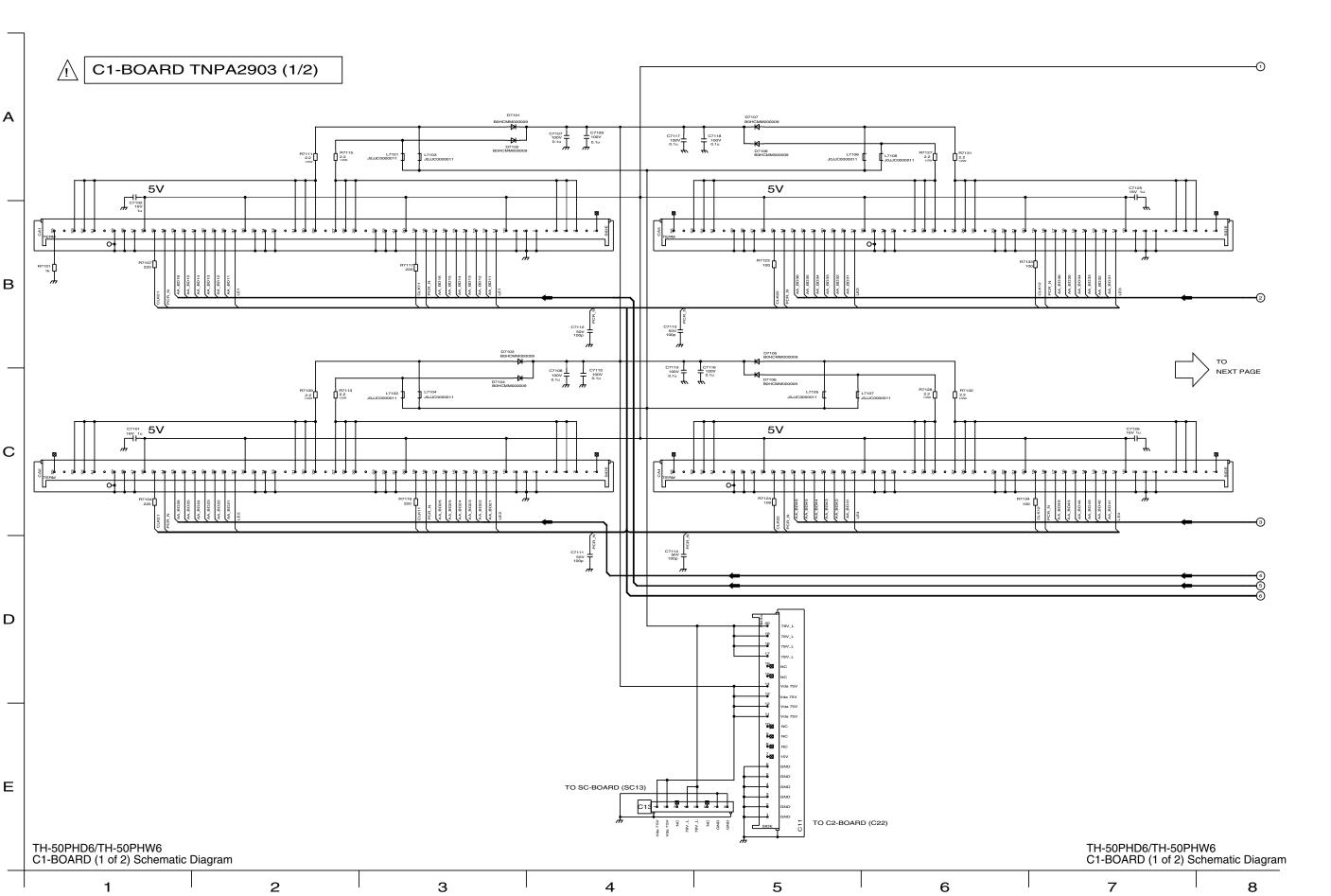
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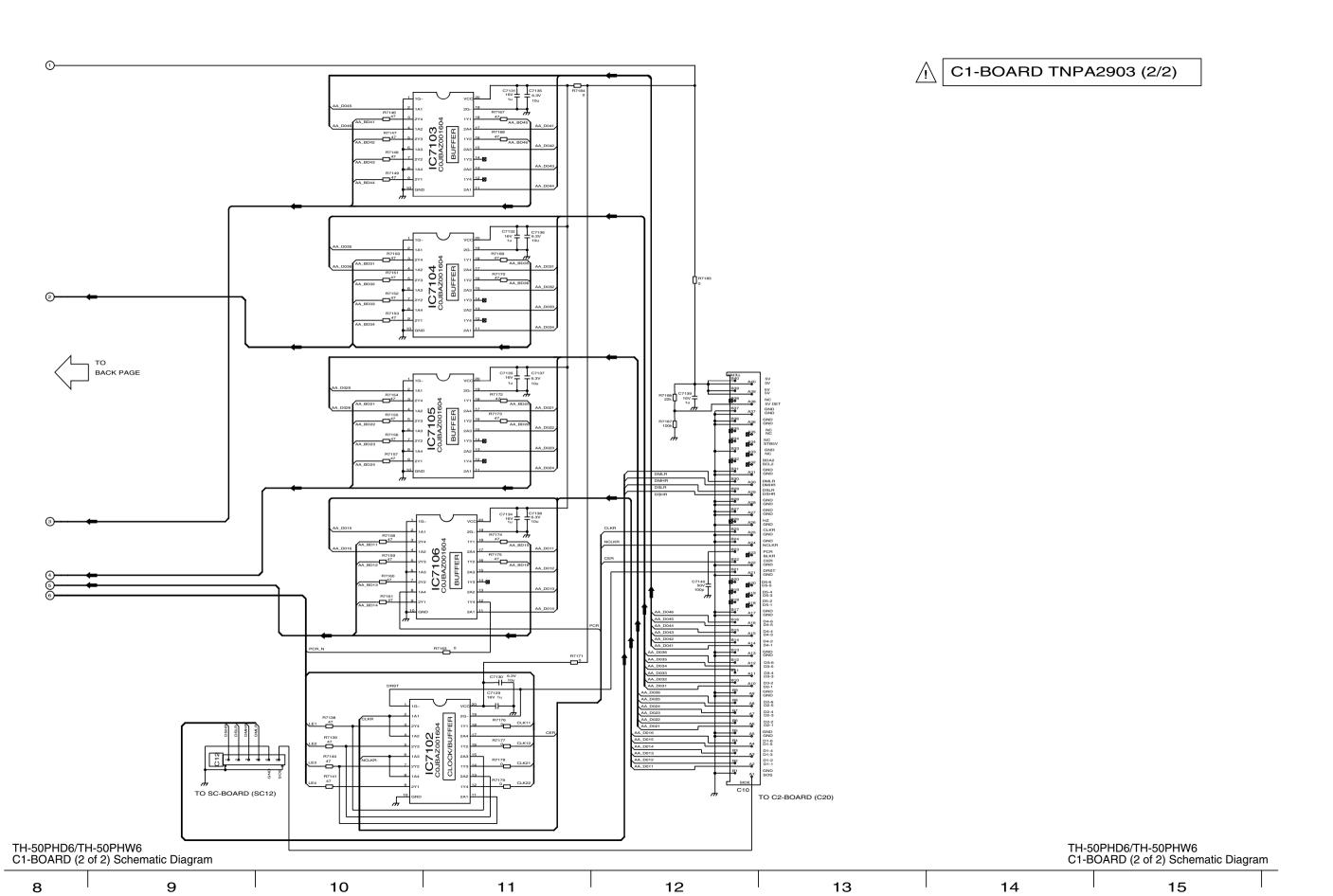
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TH-50PHD6/TH-50PHW6 Z-BOARD TXN/Z10QBS

В

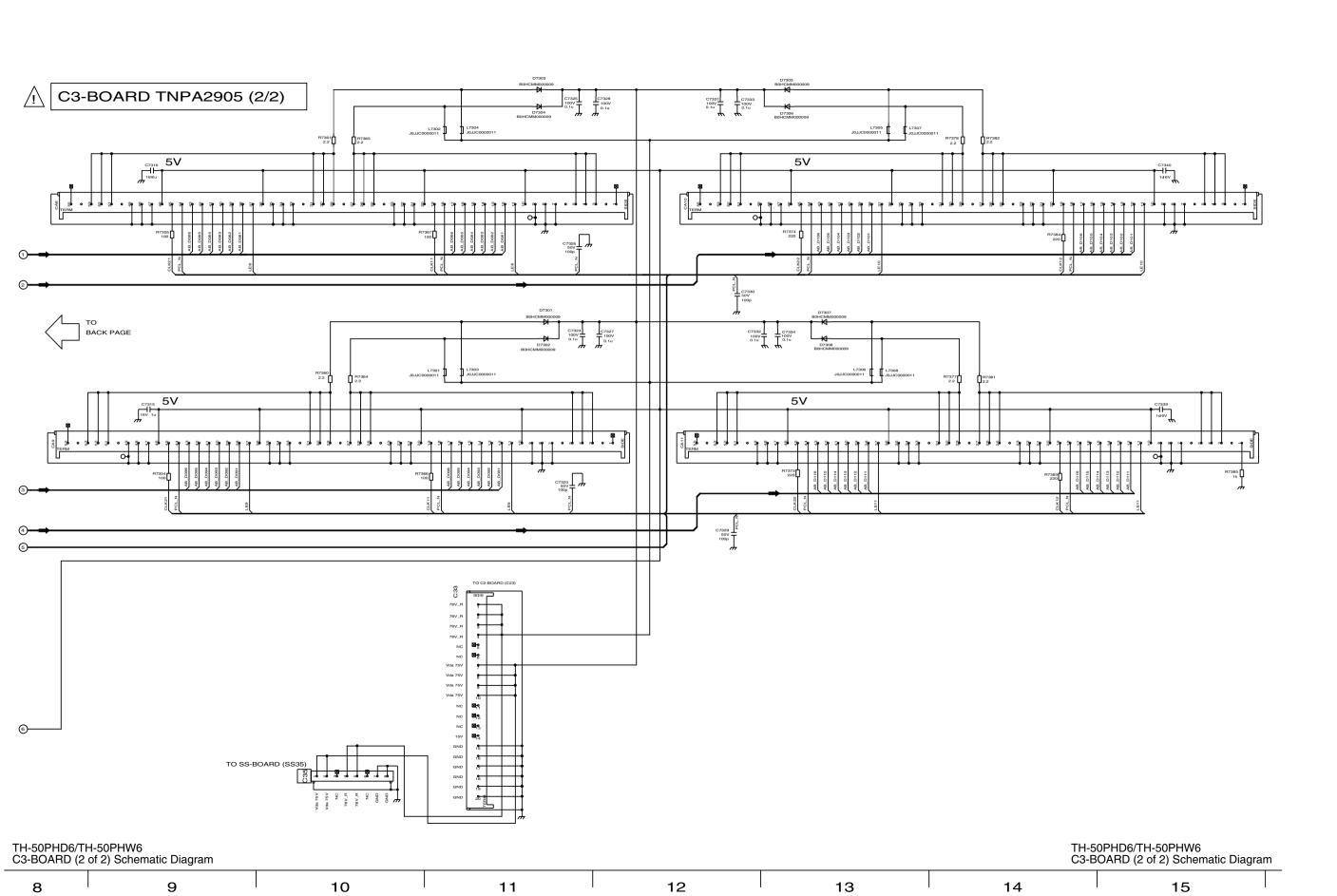
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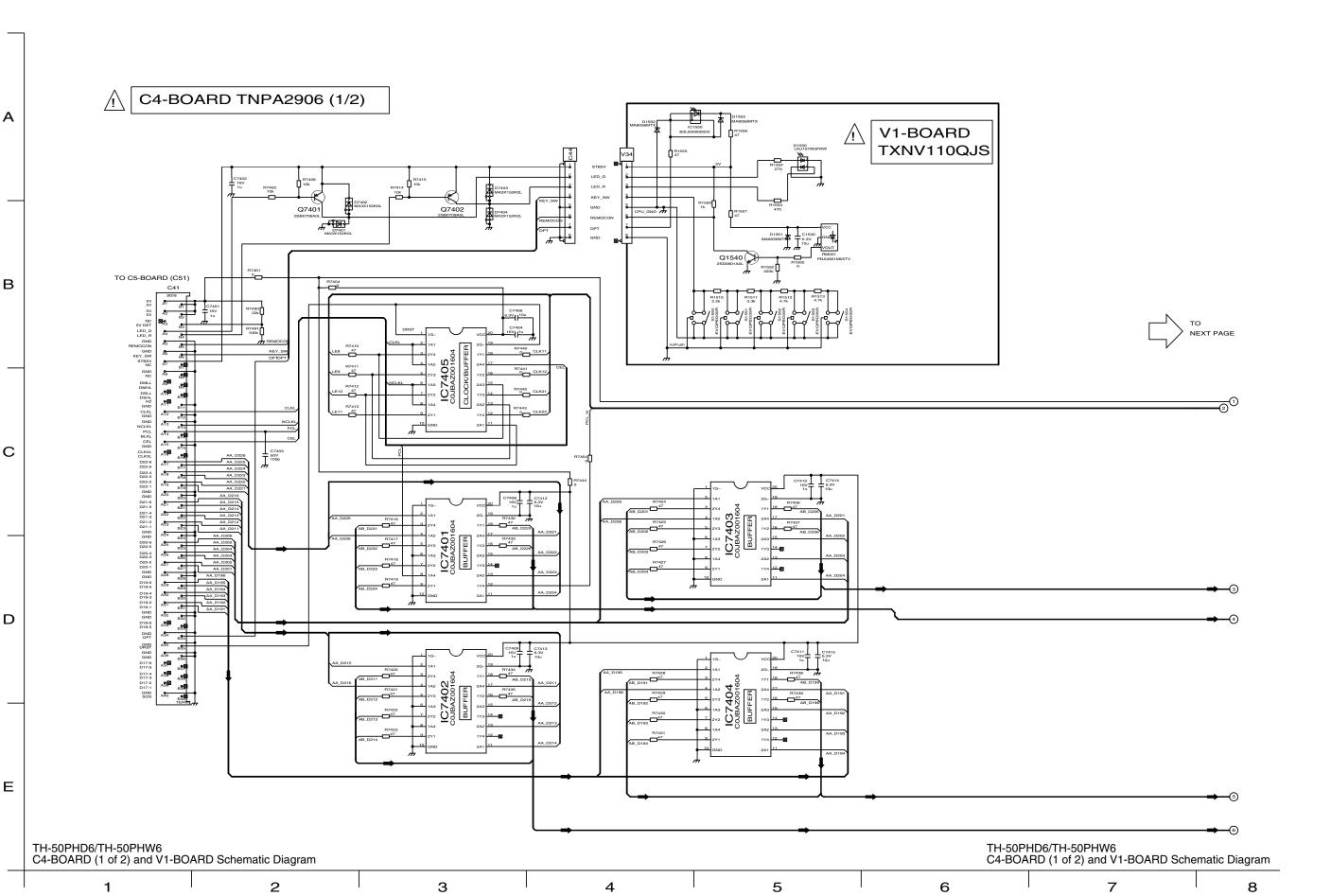




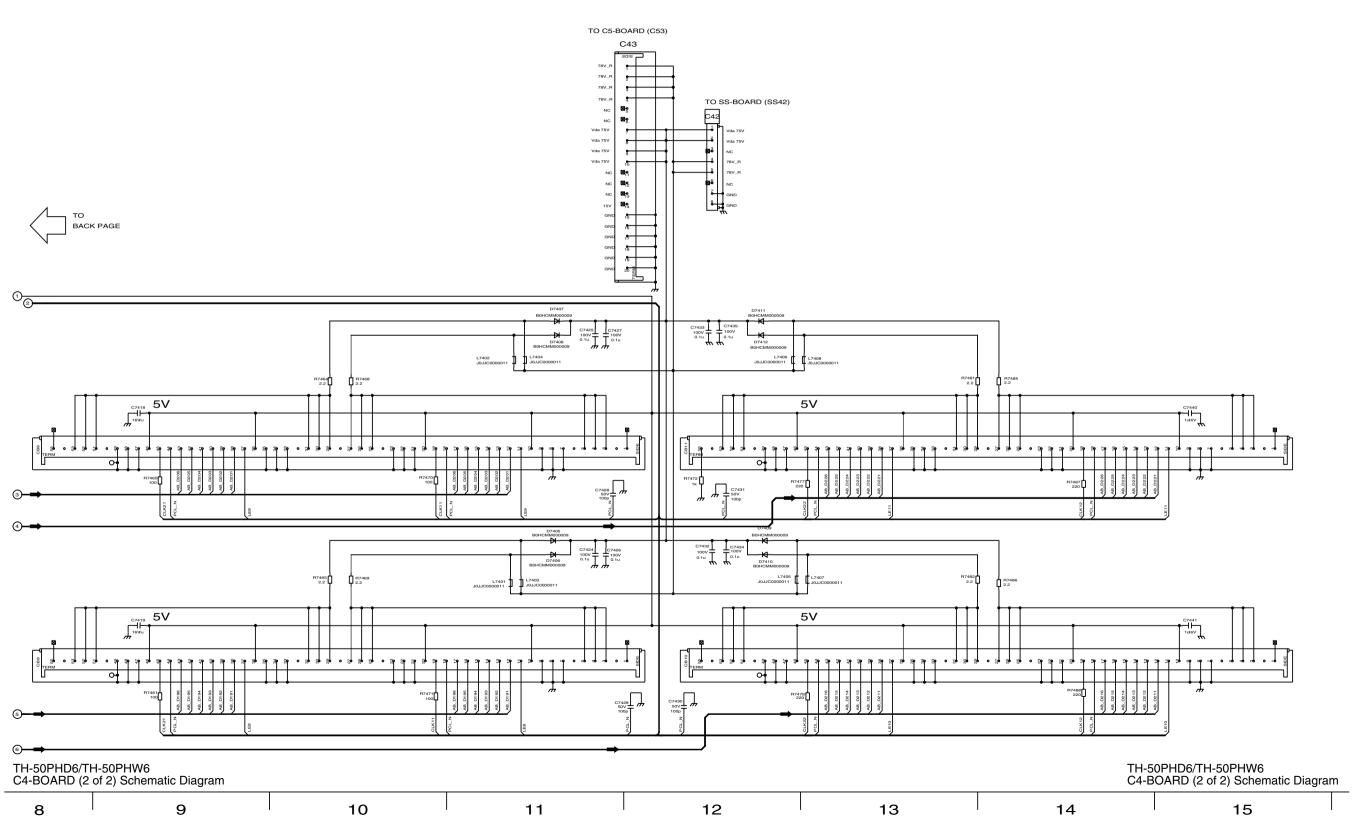
C2-BOARD TNPA2904 Α R7262 2.2 1/2W В TO C3-BOARD (C31) TO C1-BOARD (C11) TO C3-BOARD (C33) С 1C7203 COJBAZ00160 BUFFER IC7201 IC7204 COJBAZO0160 BUFFER D R7216 47 TO C1-BOARD (C10) Ε TO D-BOARD (D32) TH-50PHD6/TH-50PHW6 C2-BOARD Schematic Diagram R-UP TH-50PHD6/TH-50PHW6 C2-BOARD Schematic Diagram 2 3 5 6 7 8

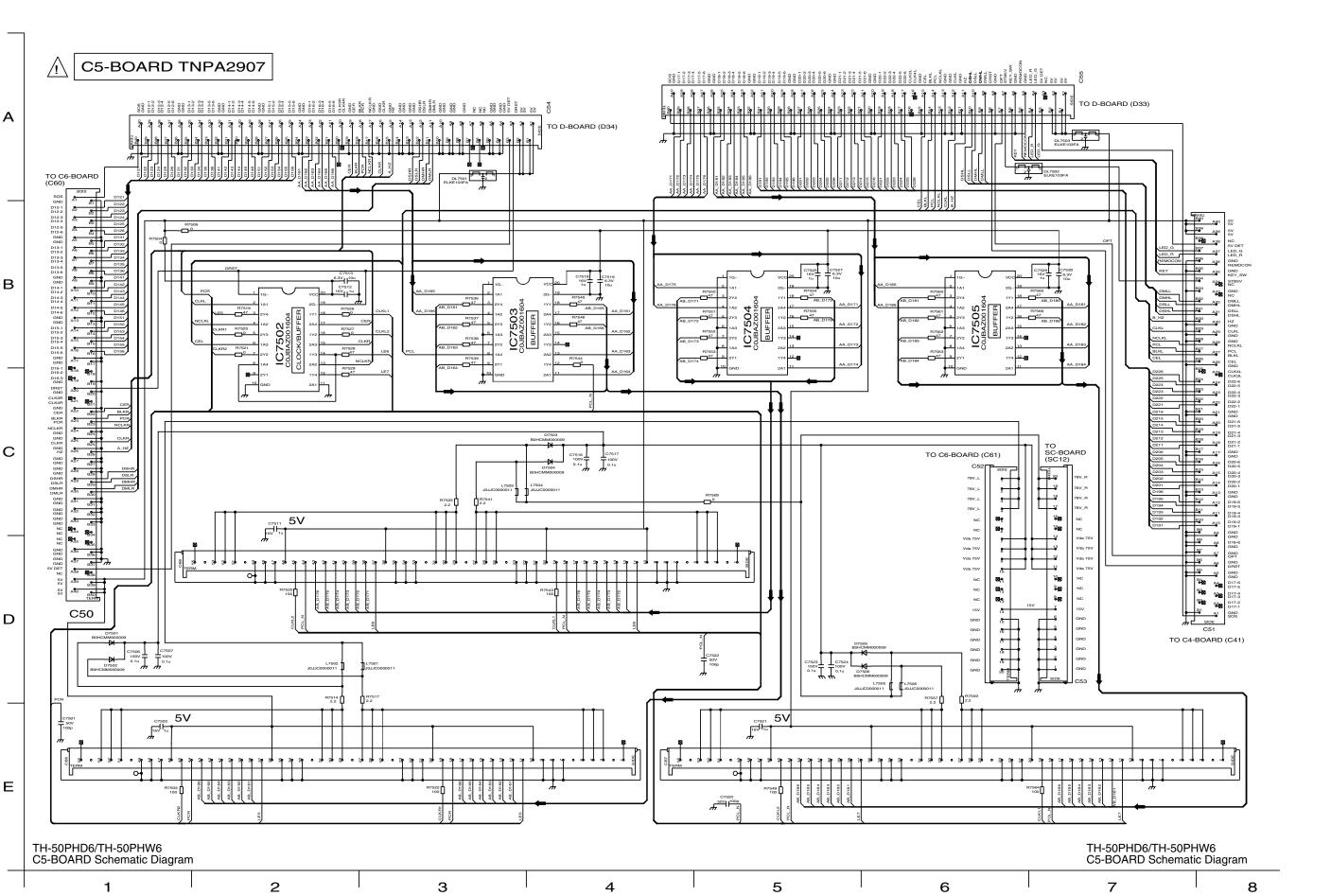
C3-BOARD TNPA2905 (1/2) Α | SOSE | В IC7303 coJBAZ00160 BUFFER TO NEXT PAGE IC7302 coJBAZ00160 BUFFER С A38 B38 A39 B39 A40 B40 TERM IC7305 COJBAZ001604 D C31 TO C2-BOARD (C21) Ε TO SS-BOARD (SS32) TH-50PHD6/TH-50PHW6 C3-BOARD (1 of 2) Schematic Diagram TH-50PHD6/TH-50PHW6 C3-BOARD (1 of 2) Schematic Diagram 2 3 5 6 7 8 4

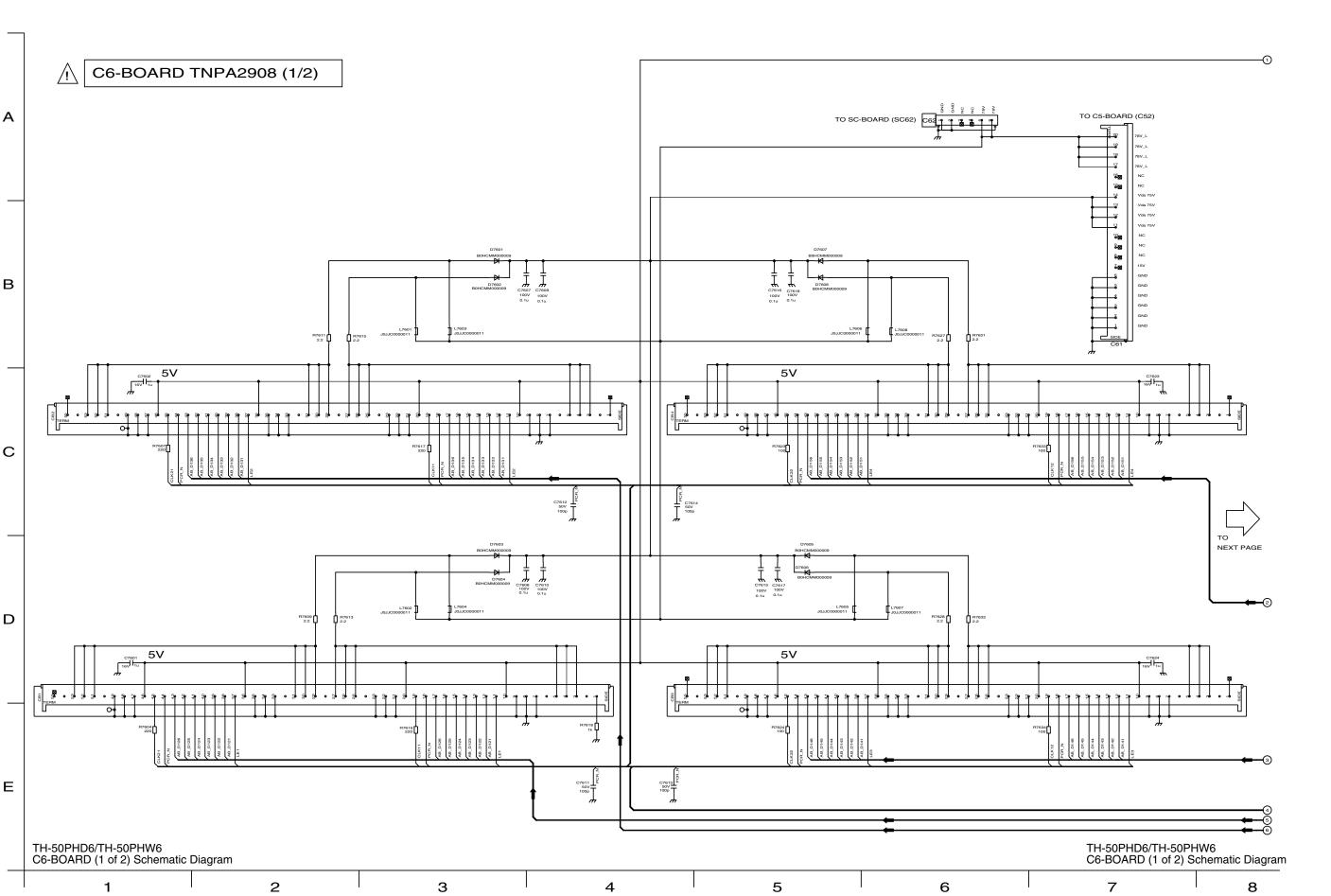


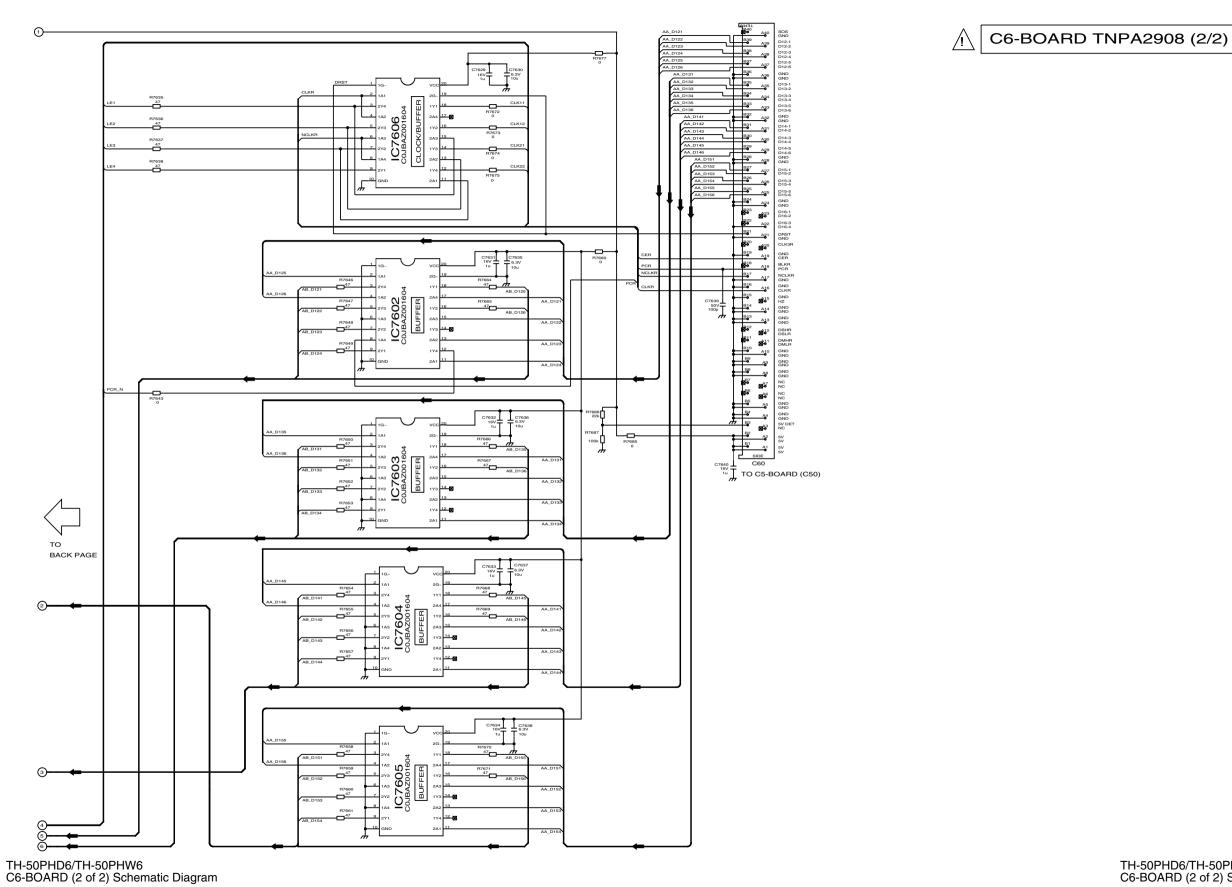


(2/2) C4-BOARD TNPA2906

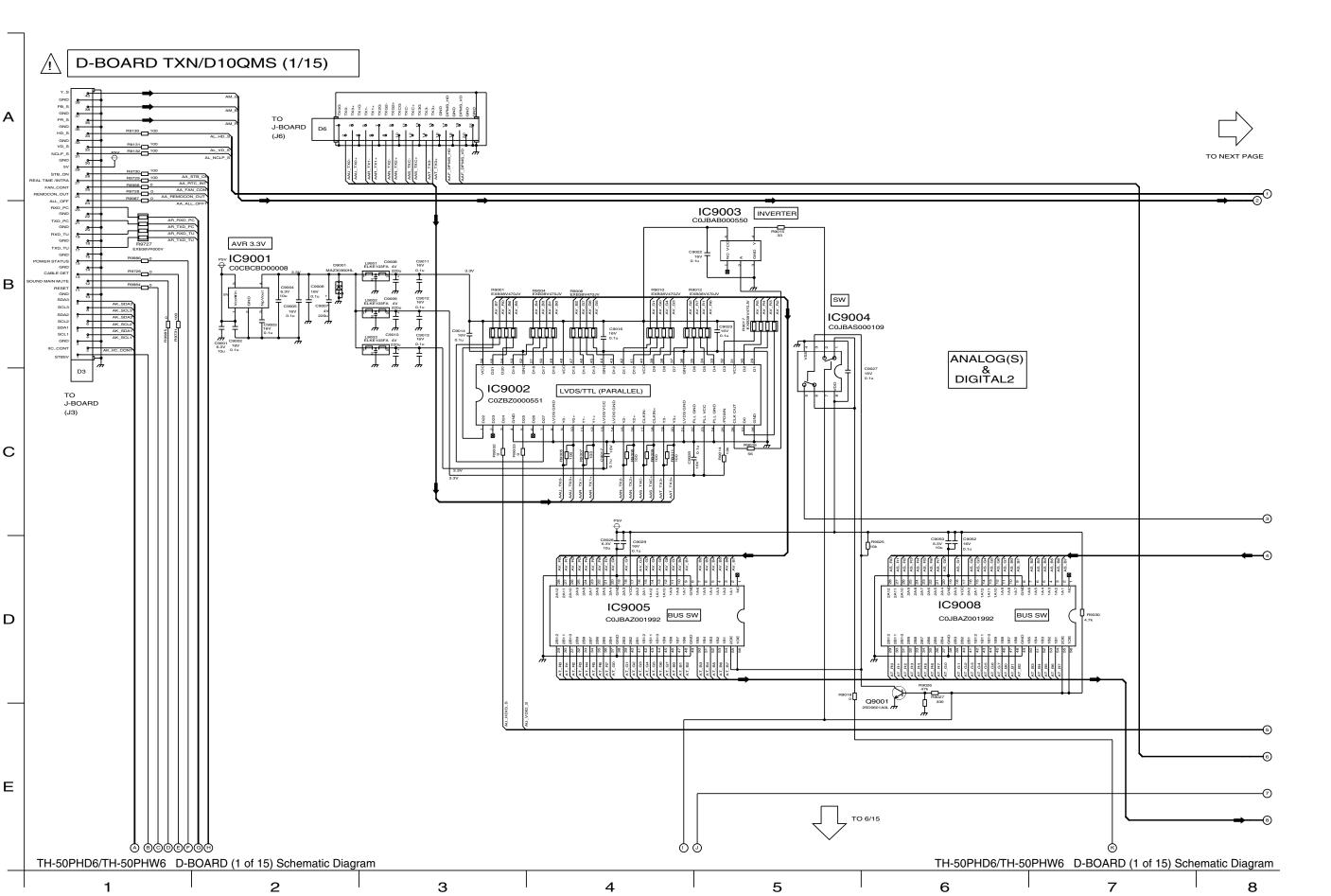


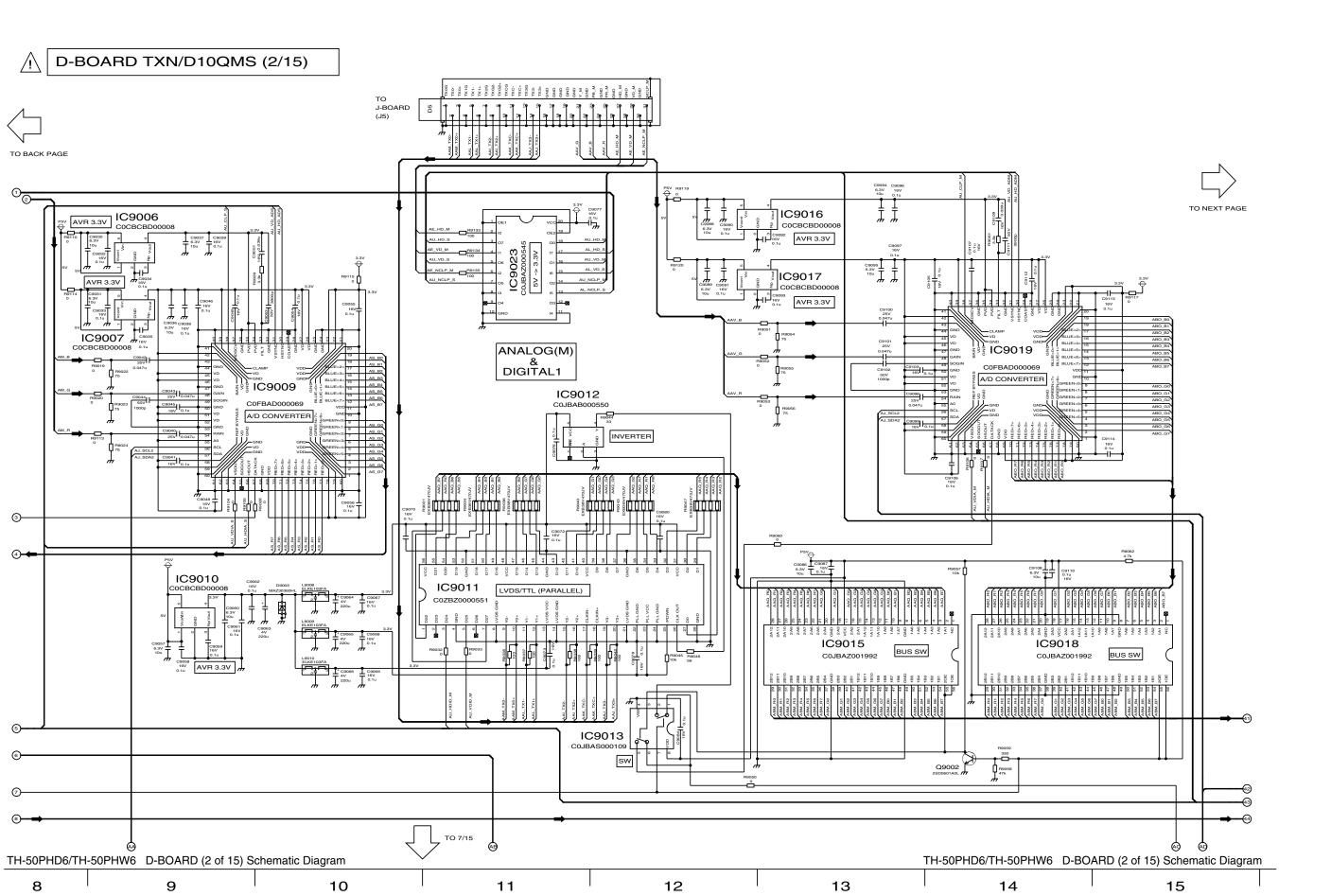


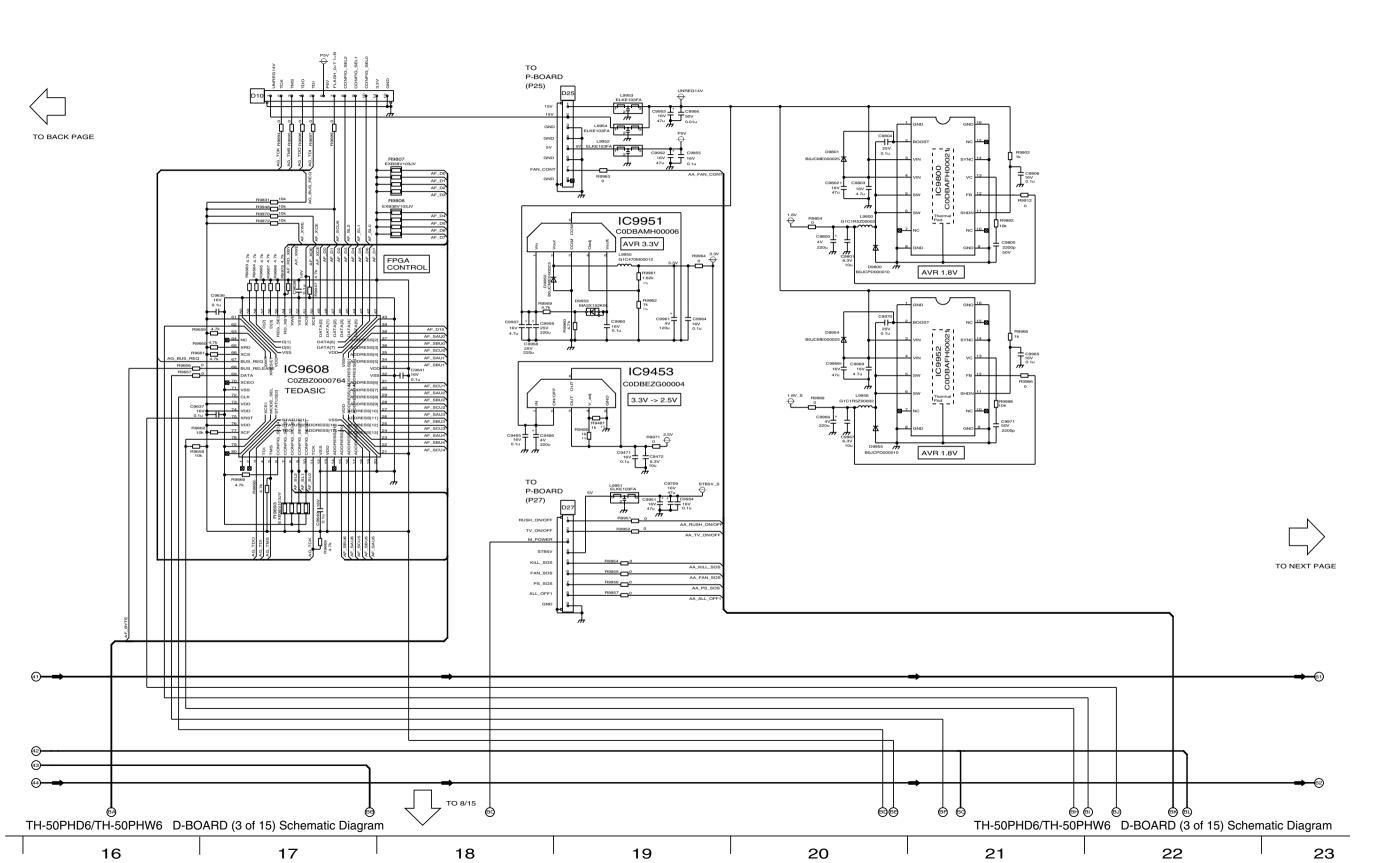


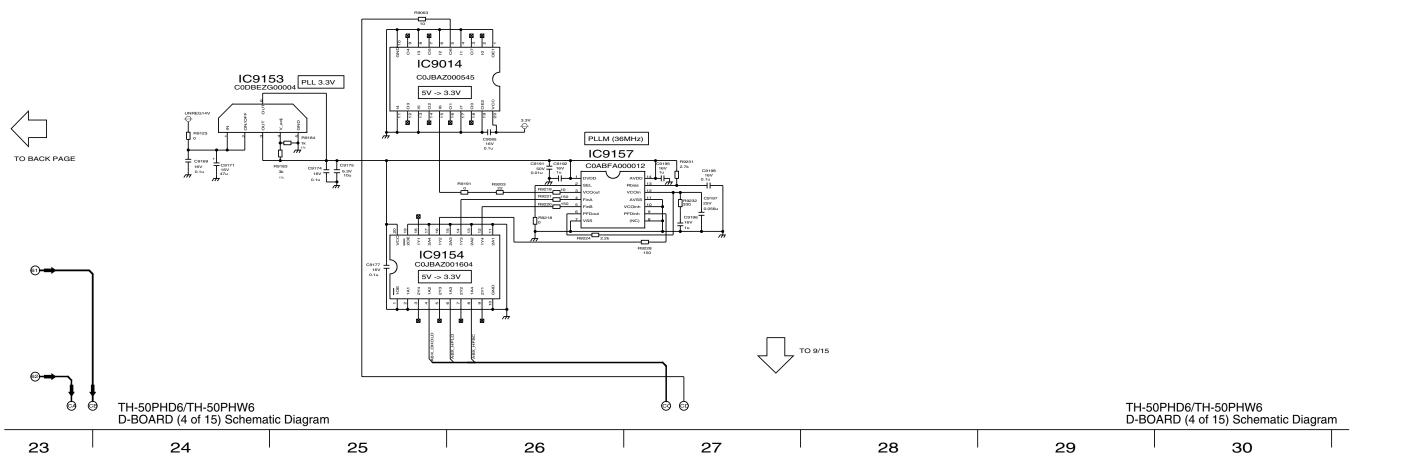


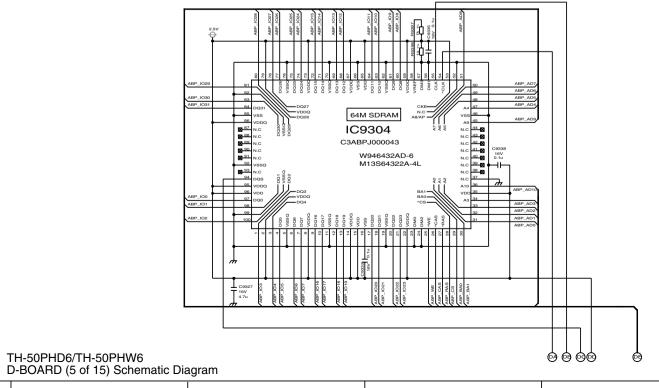
TH-50PHD6/TH-50PHW6 C6-BOARD (2 of 2) Schematic Diagram





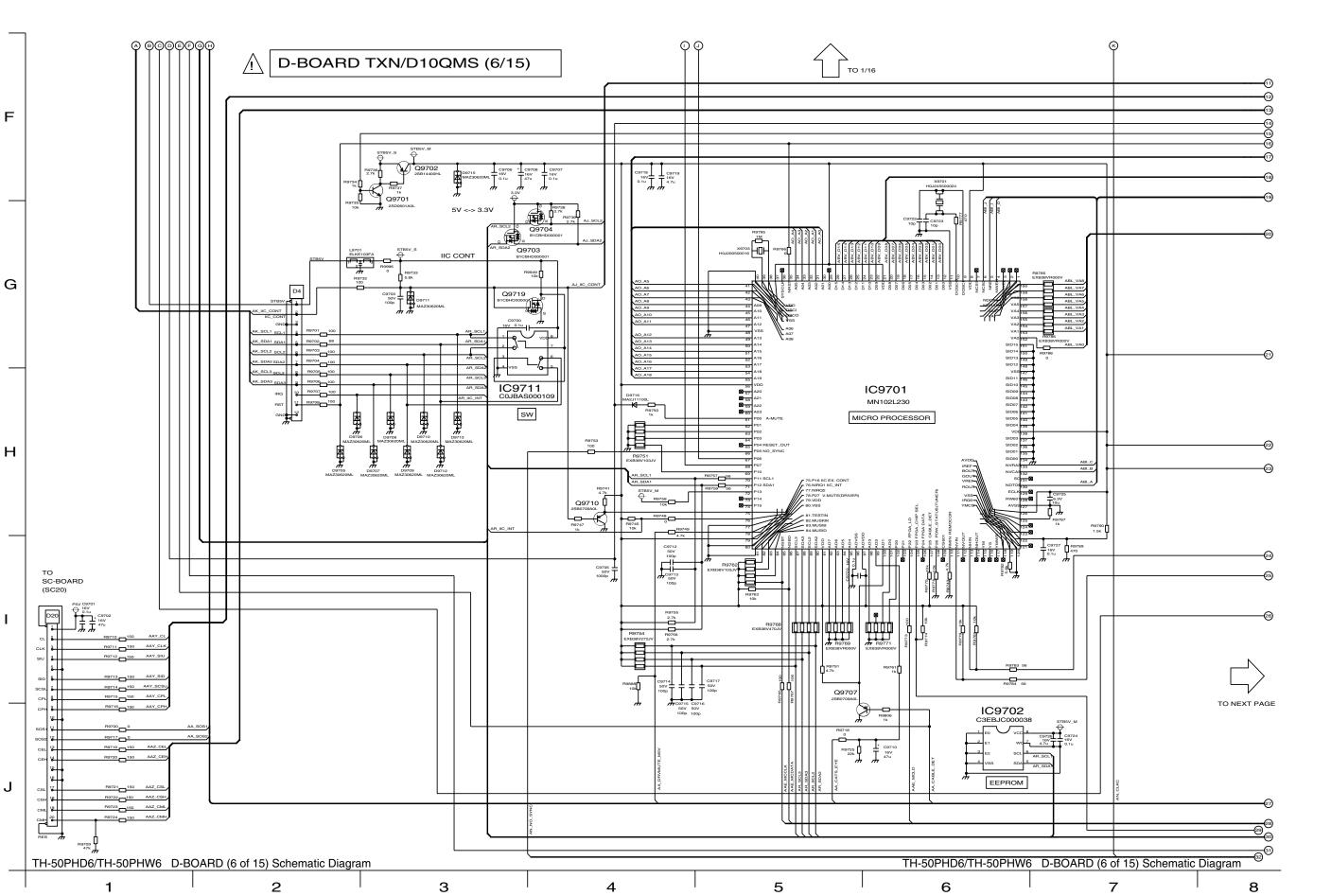


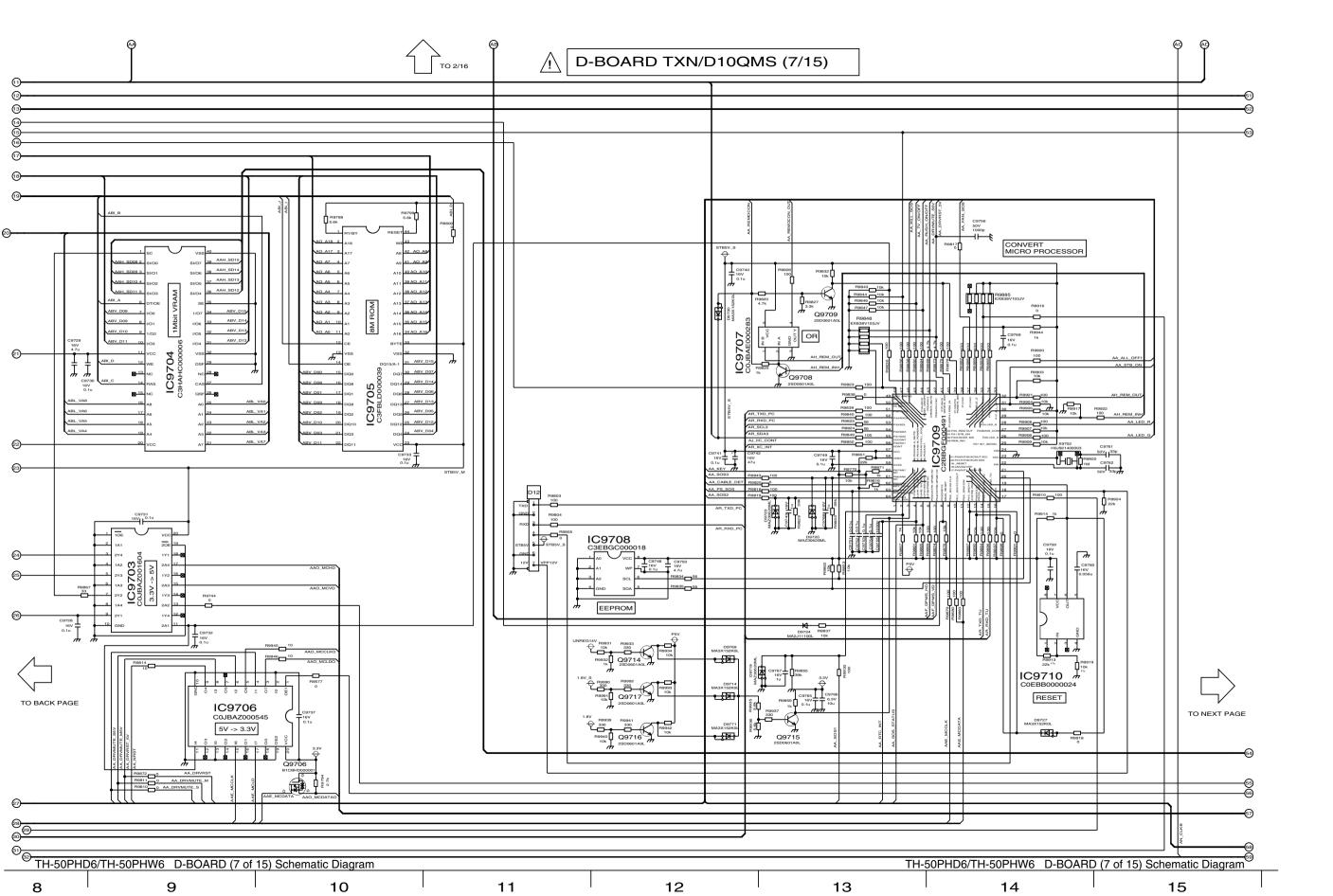


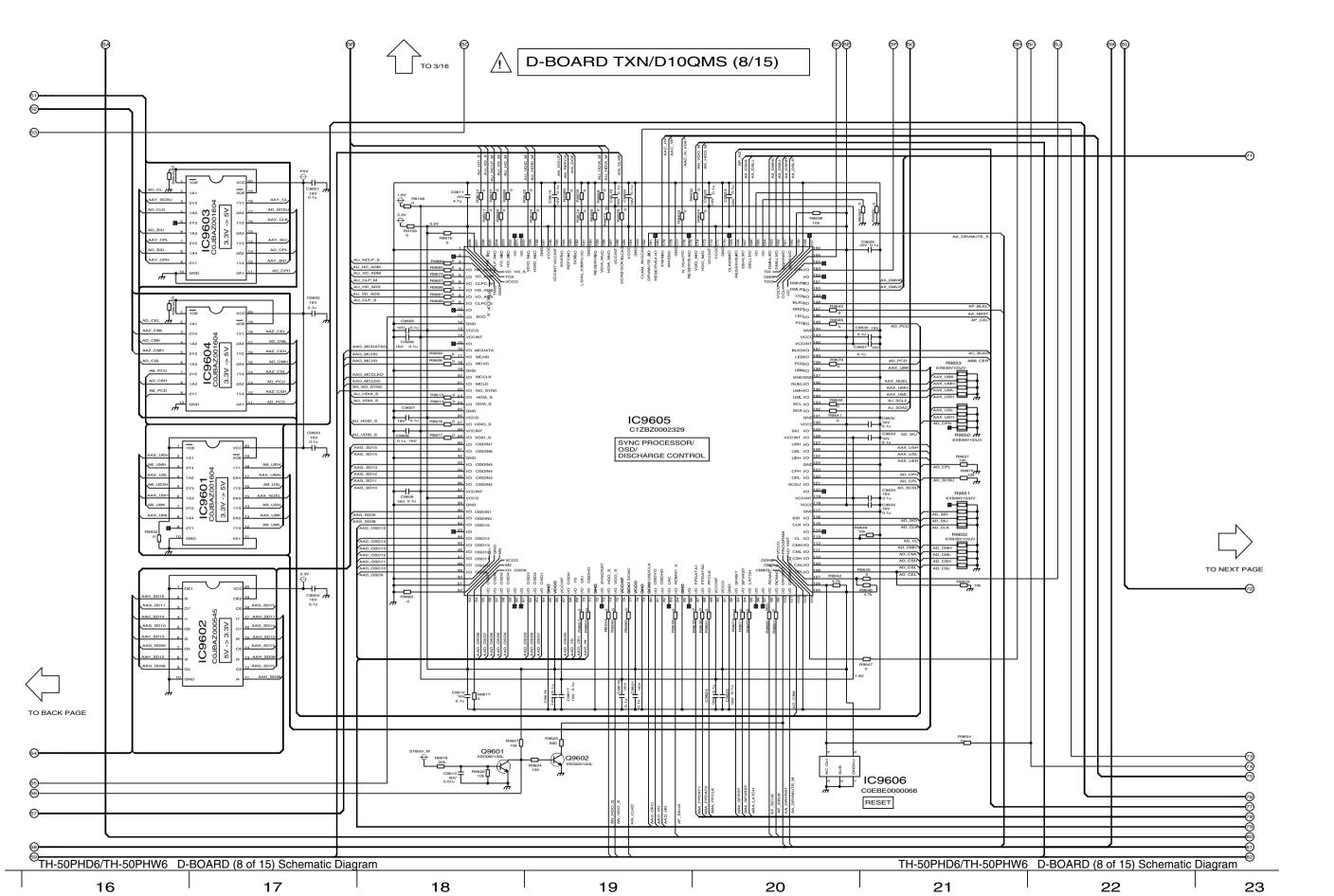


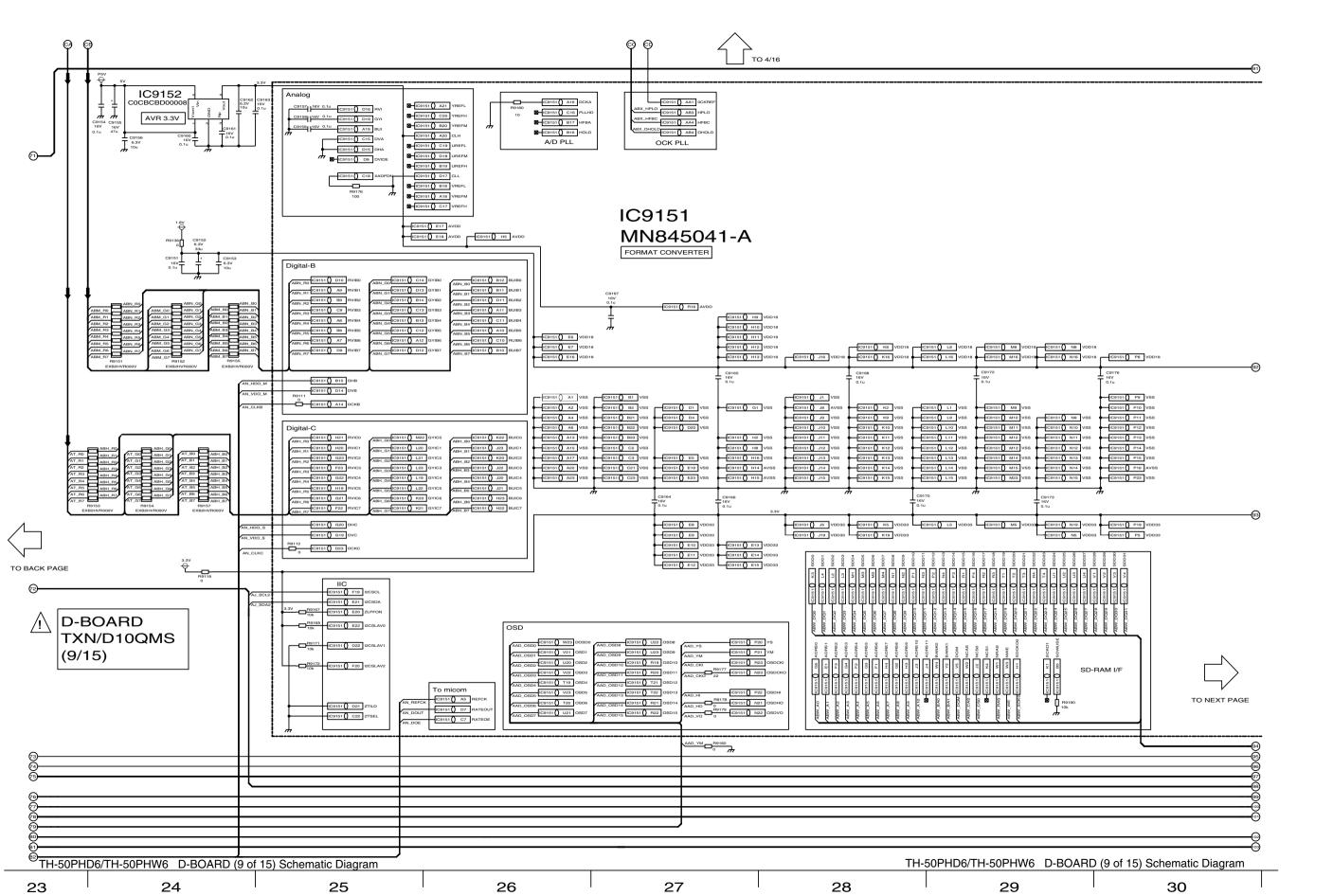


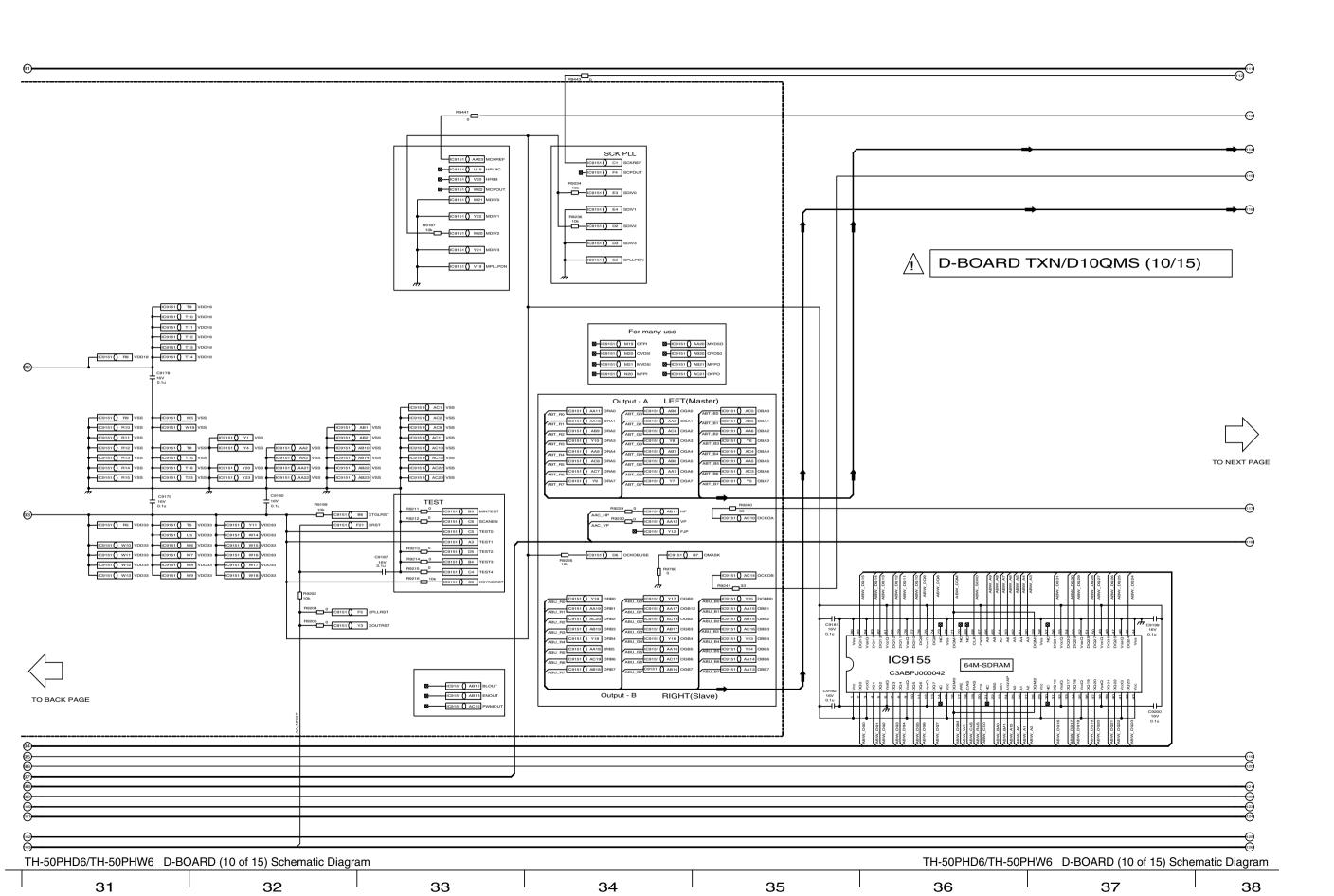
TH-50PHD6/TH-50PHW6 D-BOARD (5 of 15) Schematic Diagram

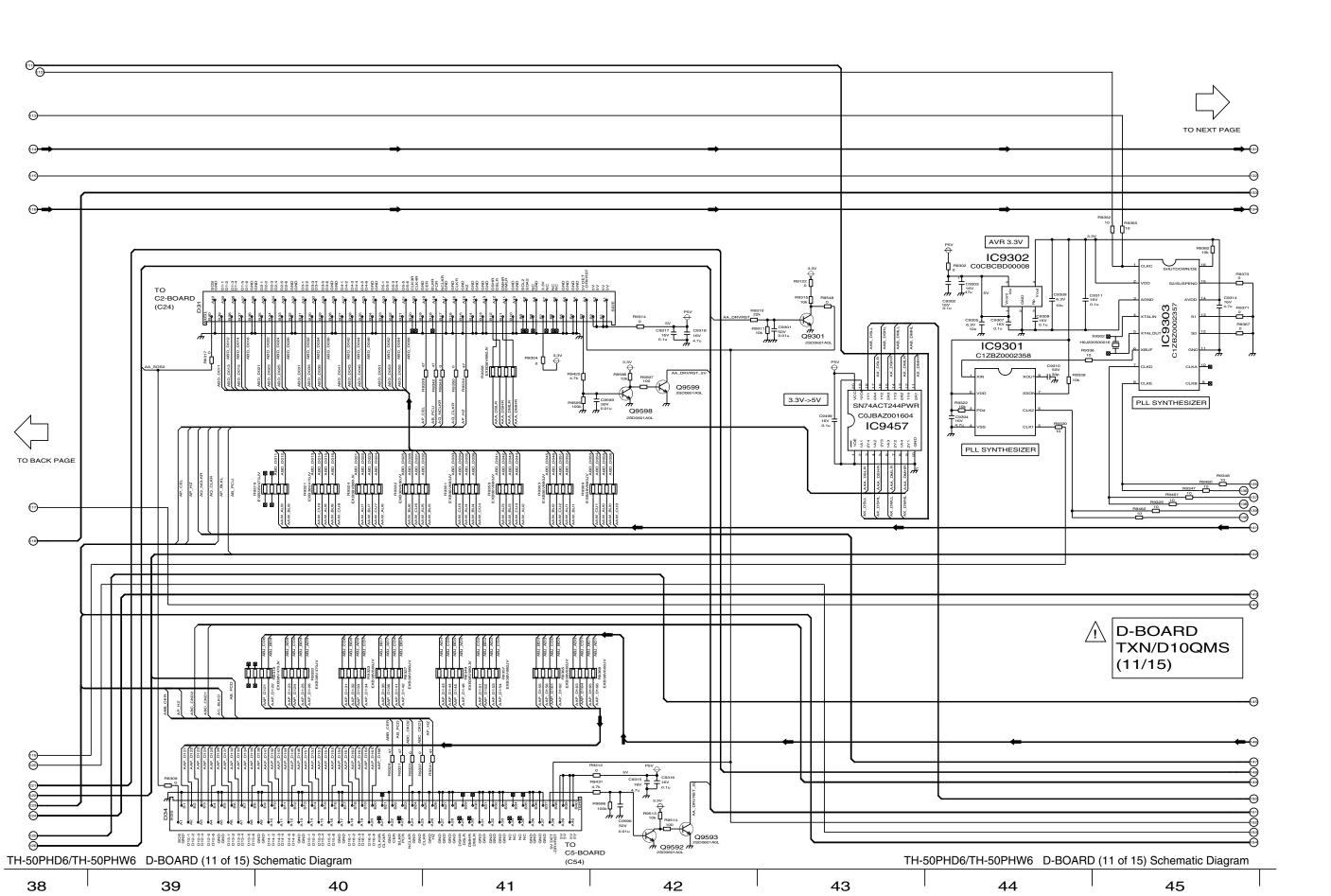


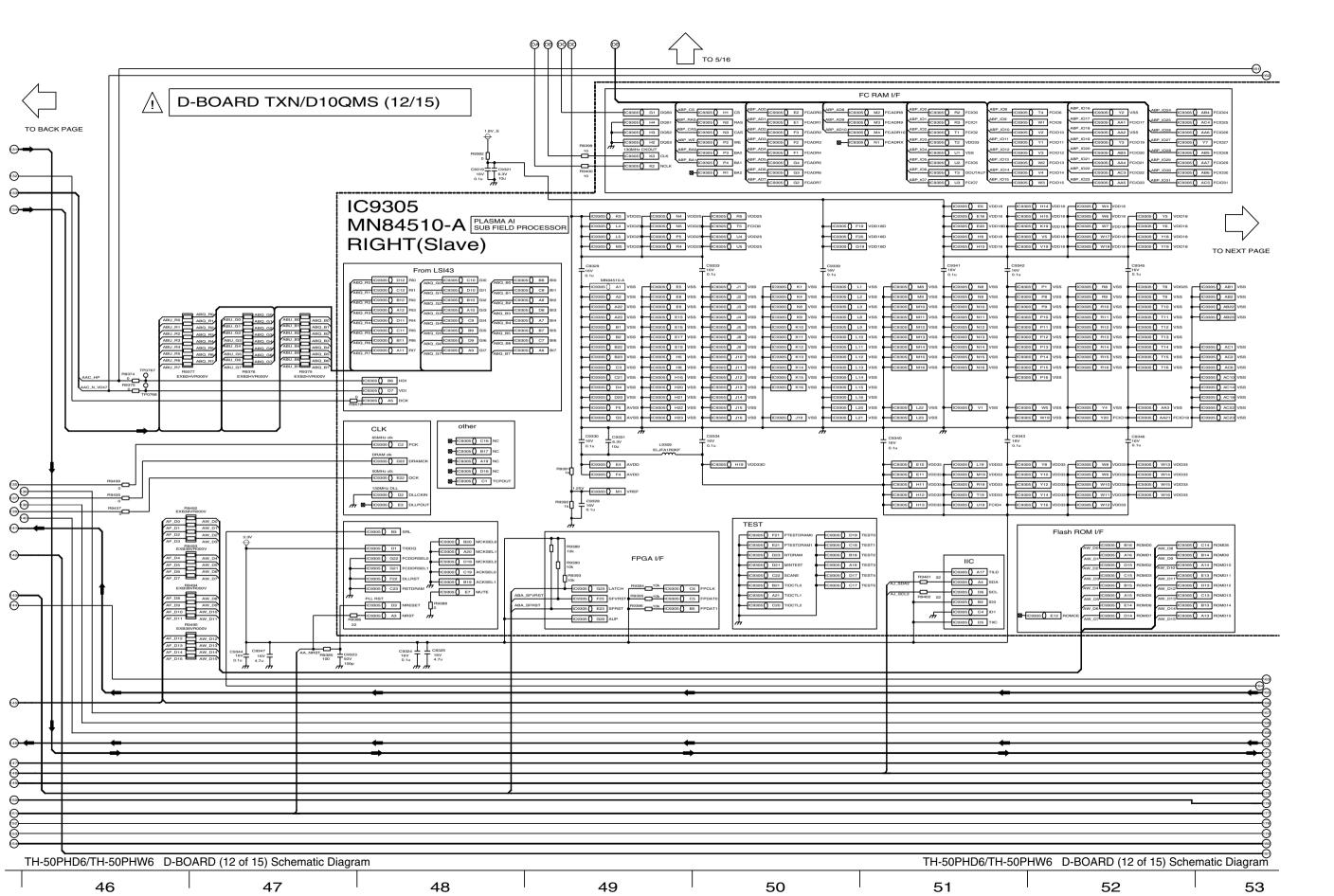


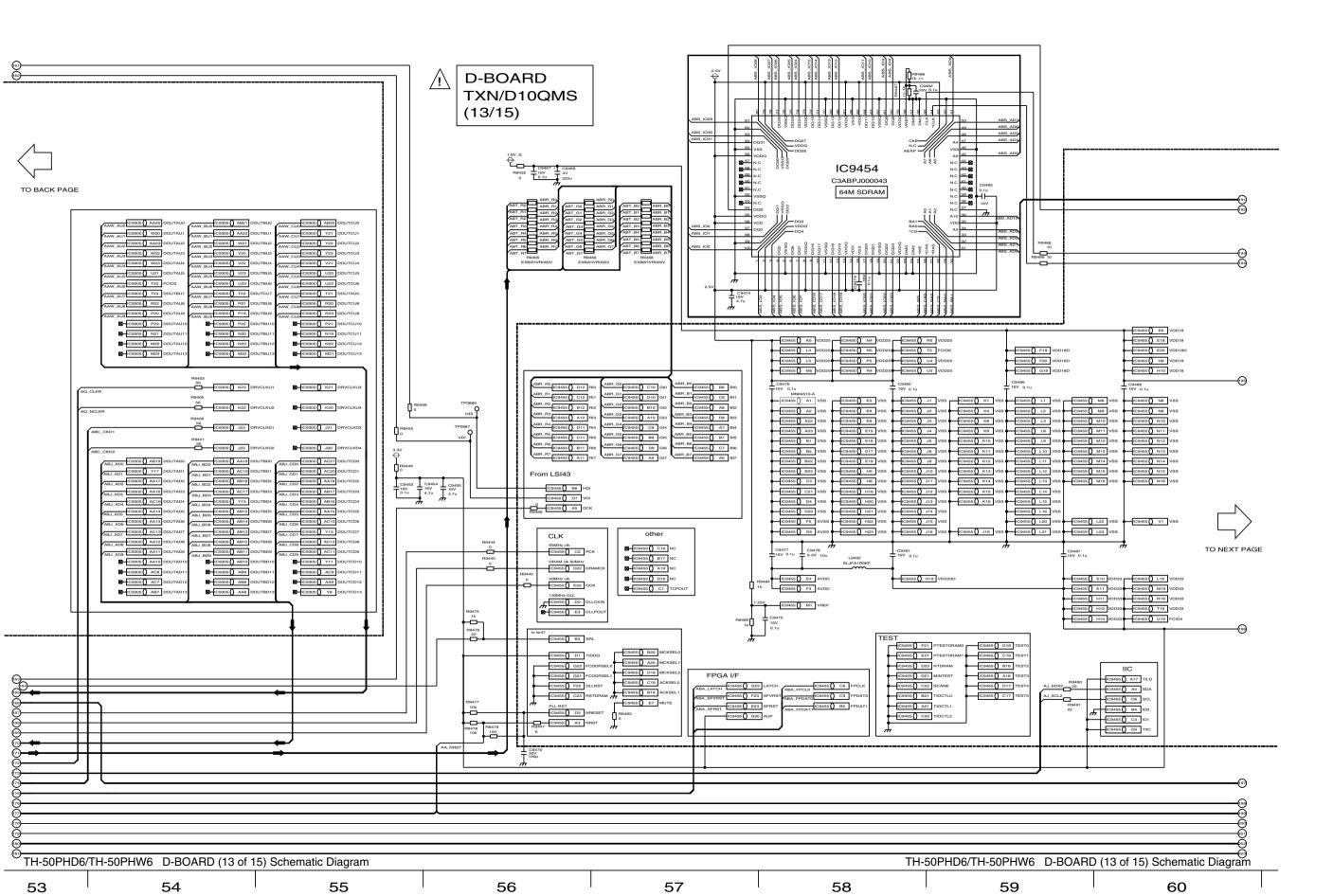


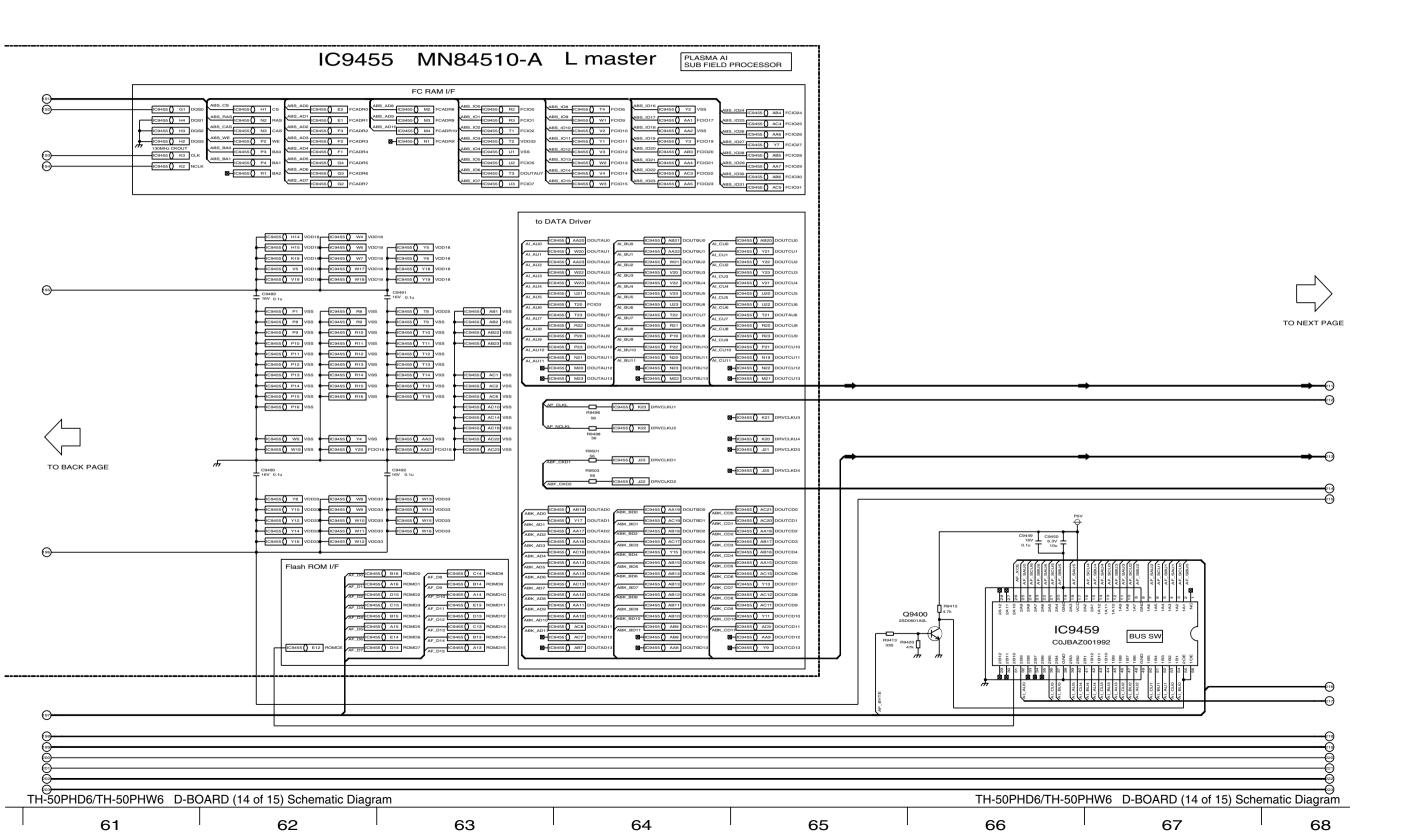


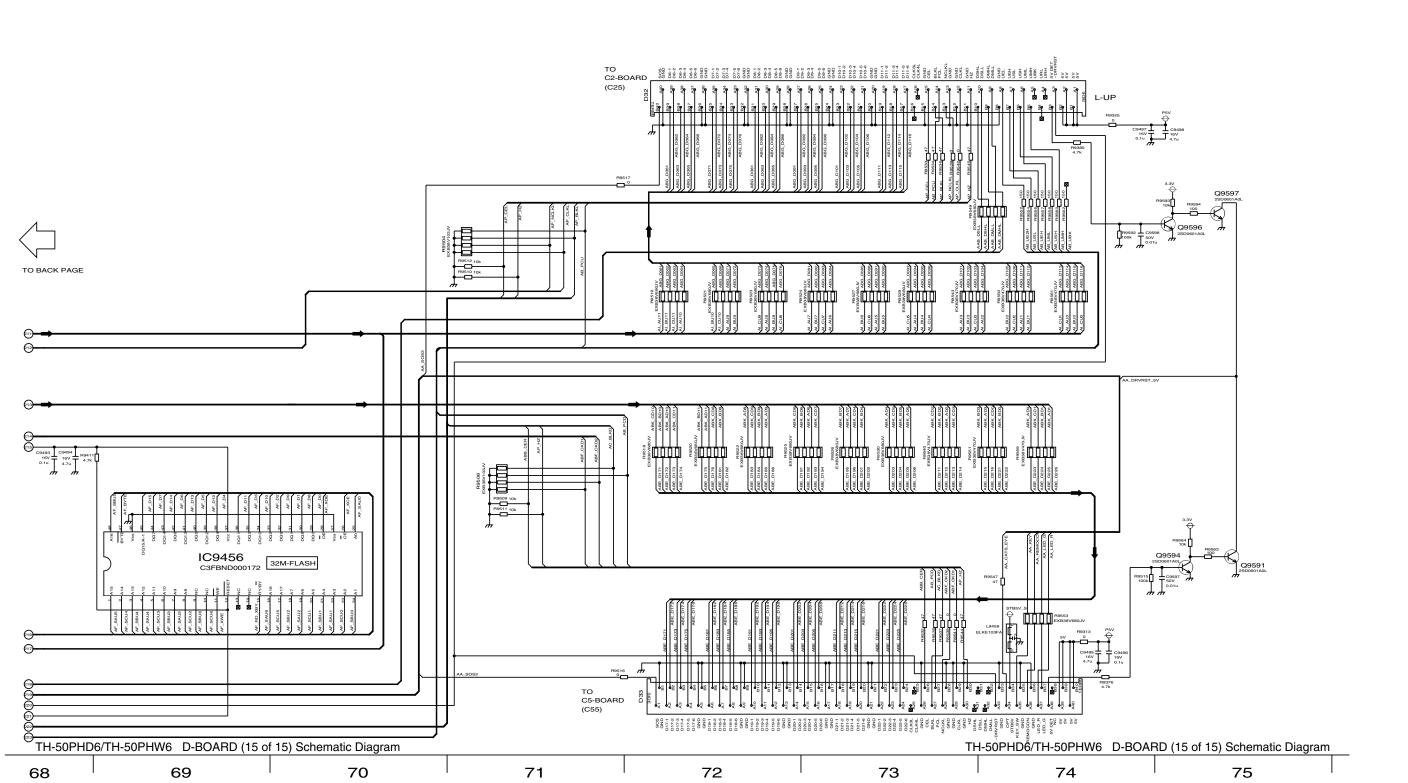


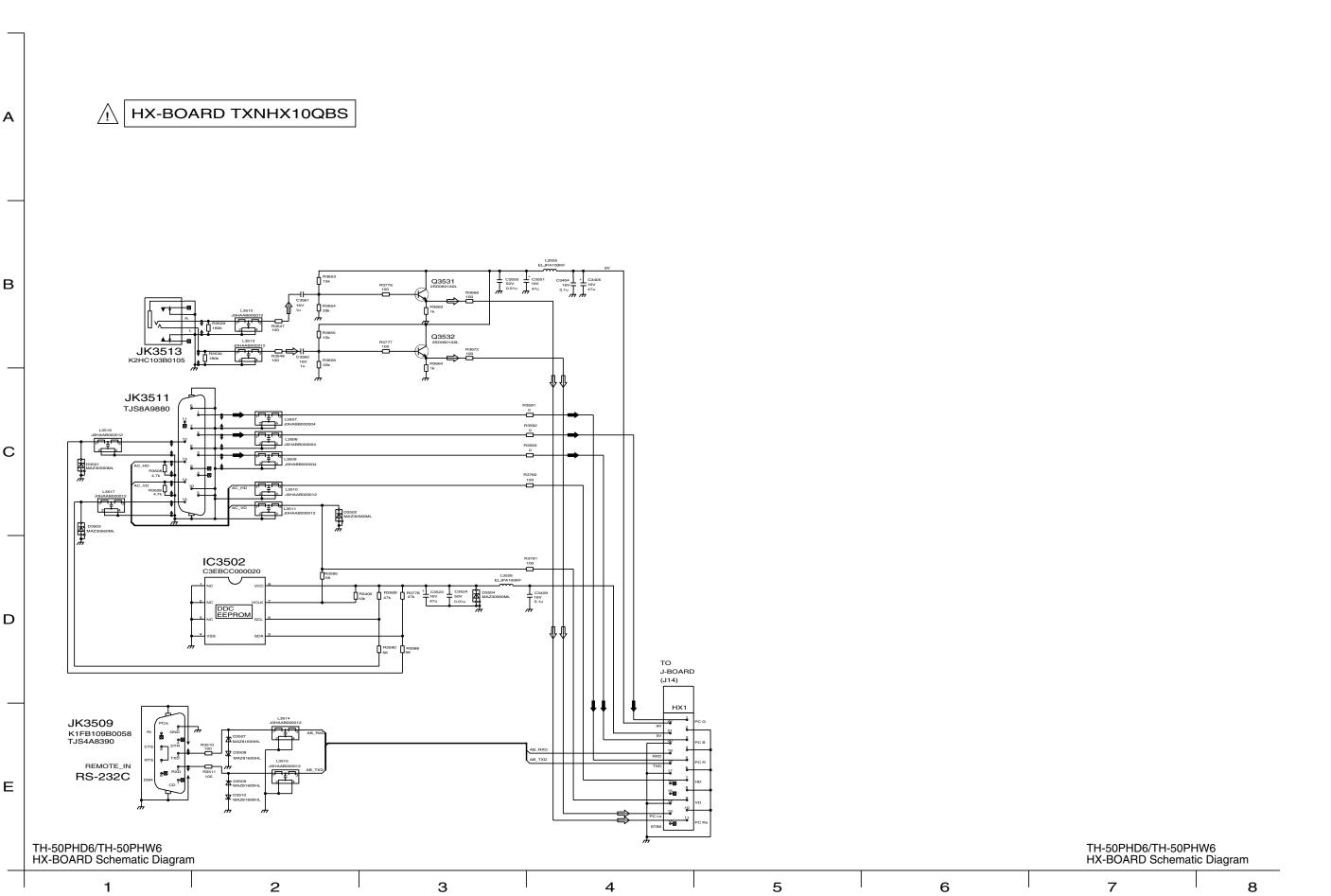


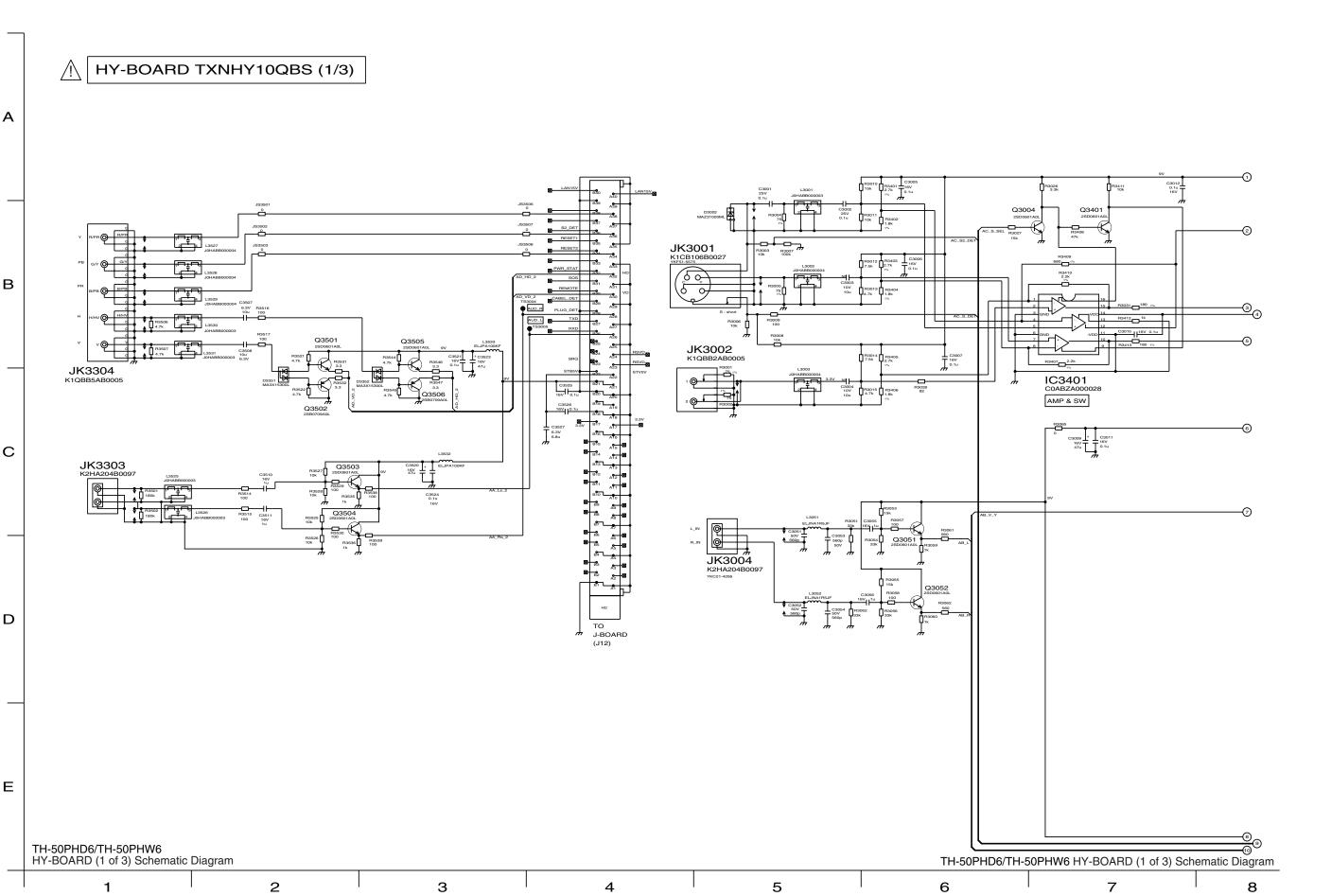


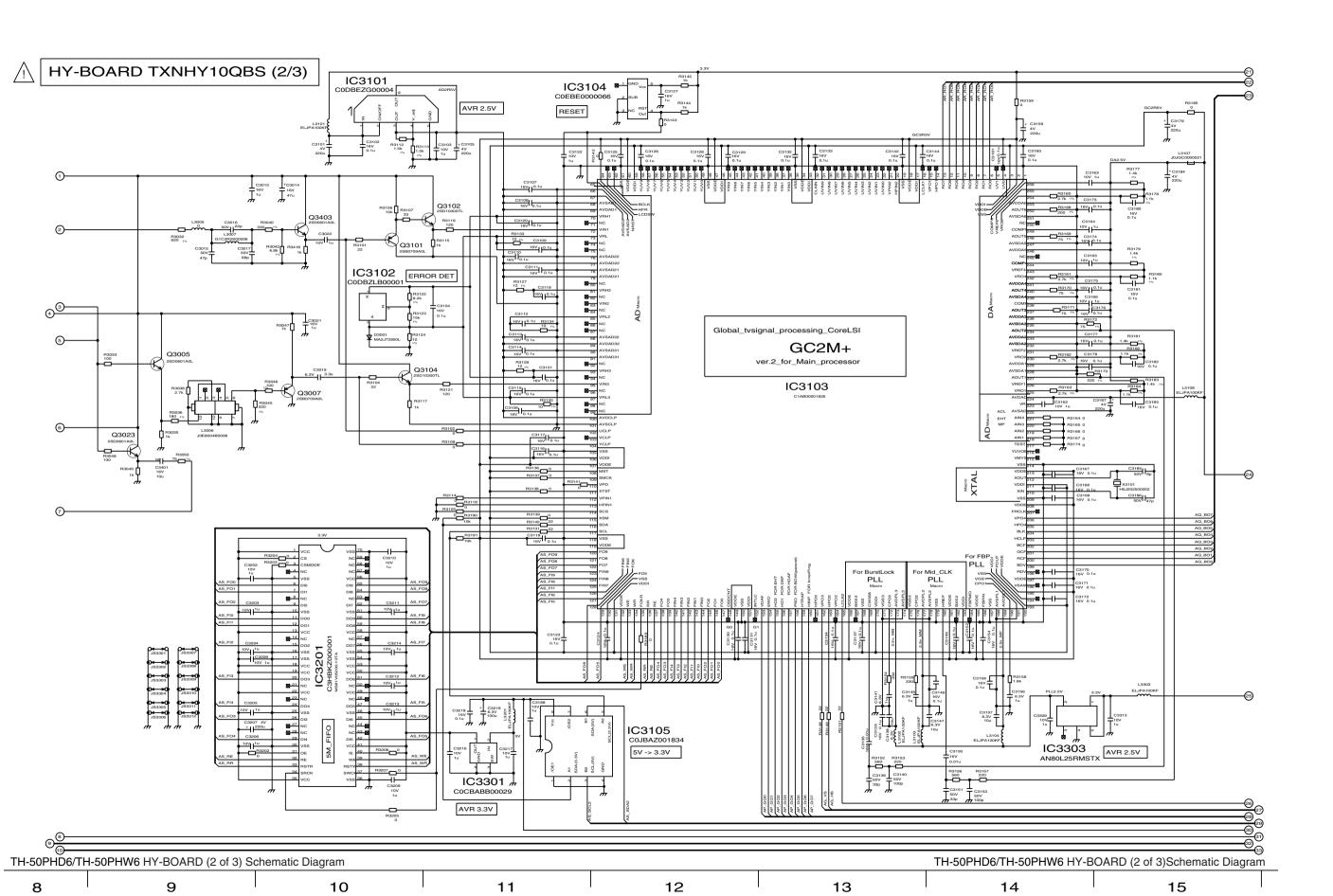


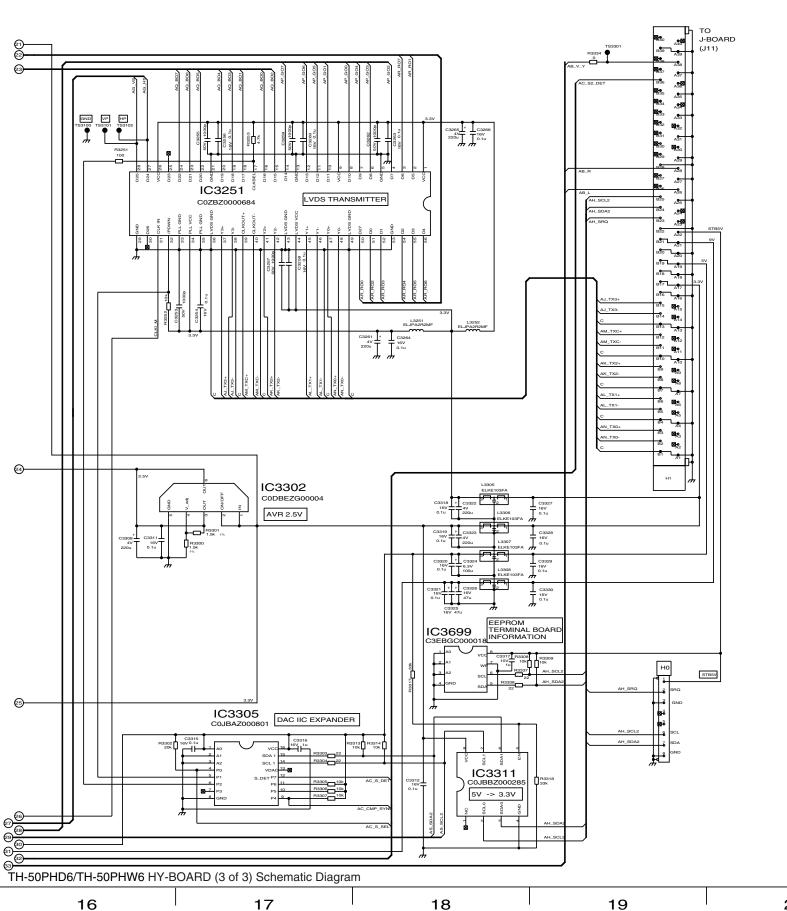








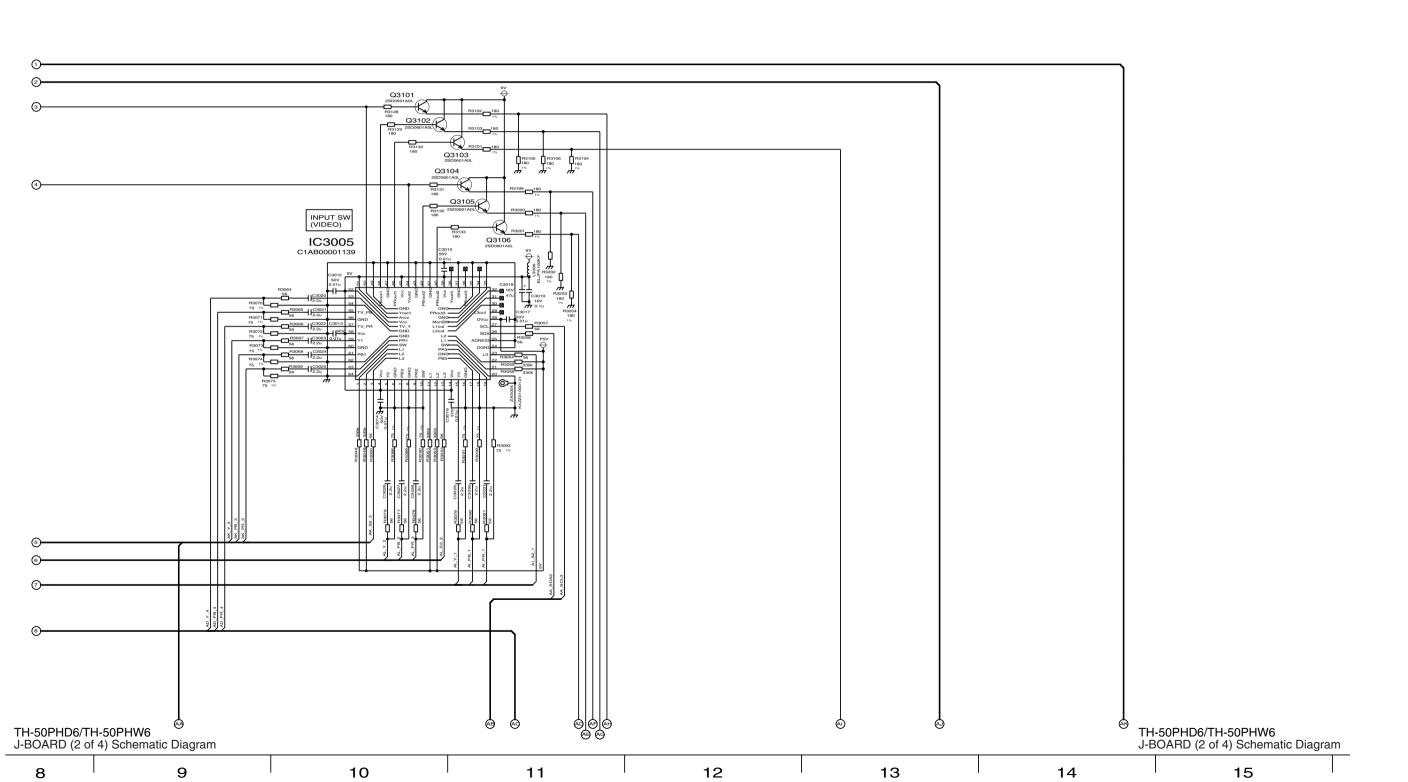


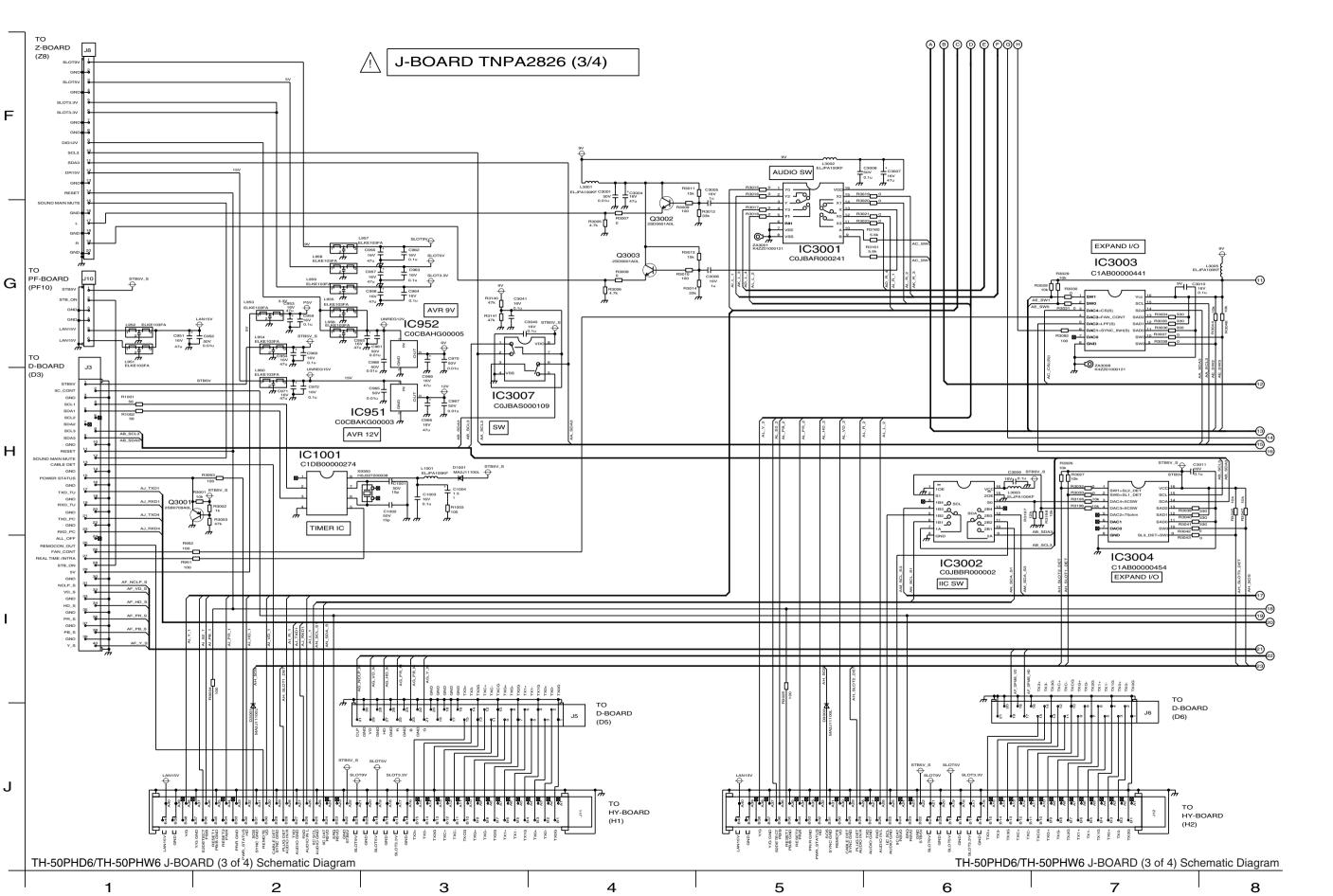


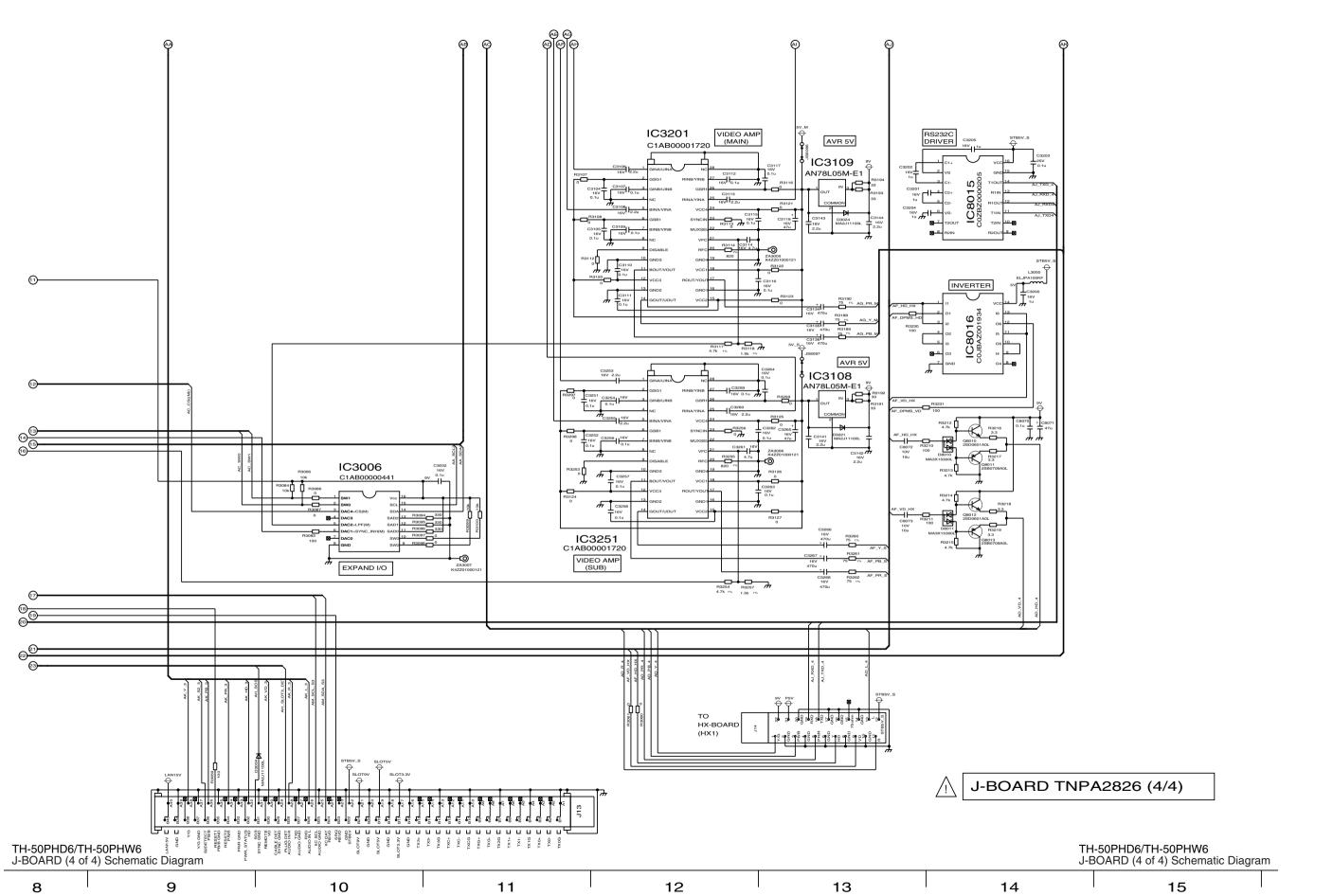
HY-BOARD TXNHY10QBS (3/3)

TH-50PHD6/TH-50PHW6 HY-BOARD (3 of 3) Schematic Diagram

J-BOARD TNPA2826 (1/4) Α SYNC SEPA IC8003 C1AA00000395 INPUT SELECT B SYNC PROCESS IC8001 C0JBAR000241 В IC8004 C1AA00000395 IC8009 C0JBAS000109 SYNC SW IC8002 C0JBAR000241 C SYNC PROCESS С IC8008 C0JBAR000111 SUB GND GND IC8007 C0JBAR000111 D Ε A B O O E FOO TH-50PHD6/TH-50PHW6 J-BOARD (1 of 4) Schematic Diagram TH-50PHD6/TH-50PHW6 J-BOARD (1 of 4) Schematic Diagram 2 3 5 6 7 8







Important Safety Notice

Components identified by Δ mark have special characteristics important for safety. When replacing any of these components, use only manufacture's specified parts.

Notes	tes:
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ote	s:			
1.	Resistor			
	All resistors are cabon 1/4W resistor, unless marked as follows: Unit of resistance is OHM $[\Omega]$ (K=1,000, M=1,000,000).			
	: Nonflammable		: Metal Oxide	
	∴ : Solid	\bigcirc	: Metal Film	
	: Wire Wound	\otimes	: Fuse:	
2.	Capacitor	<u> </u>		
	All capacitors are ceramic 50V capacitor, unless marked as follows:			
	Unit of capacitance is μF, unless otherwise noted.			
		۱ - ال	: Electrolytic	
		NP H	: Bipolar	
		T	: Dipped Tantalum	
		\bigcirc	: Z-Type	
3.	Coil			
Unit of inductance is μF , unless otherwise noted.				
4.	Test Point			
5.	Earth Symbol			
	# : Chassis Earth (Cold)		: Line Earth (Hot)	
6.	6. Voltage Measurement			
Voltage is measured by a DC voltmeter.				
	Conditions of the measurement are the	following:		
	Power Source		•	
	Receiving Signal			
	All customer's controls		Maximum positions	
7.	Number in red circle indicates waveform	n nember.		
	(See waveform pattern table.)			
8.	When arrow mark (🖊) is found, connection is easily found from the direction of arrow			
_				
	. Indicates the major signal flow. : Video → Audio ⇒			
10.	10. This schematic diagram is the latest at the time of printing and subject to change v			
	notice.			

Remarks:

1. The Power Circuit contains a circuit area which uses a separate power supply to isolate the earth connection.

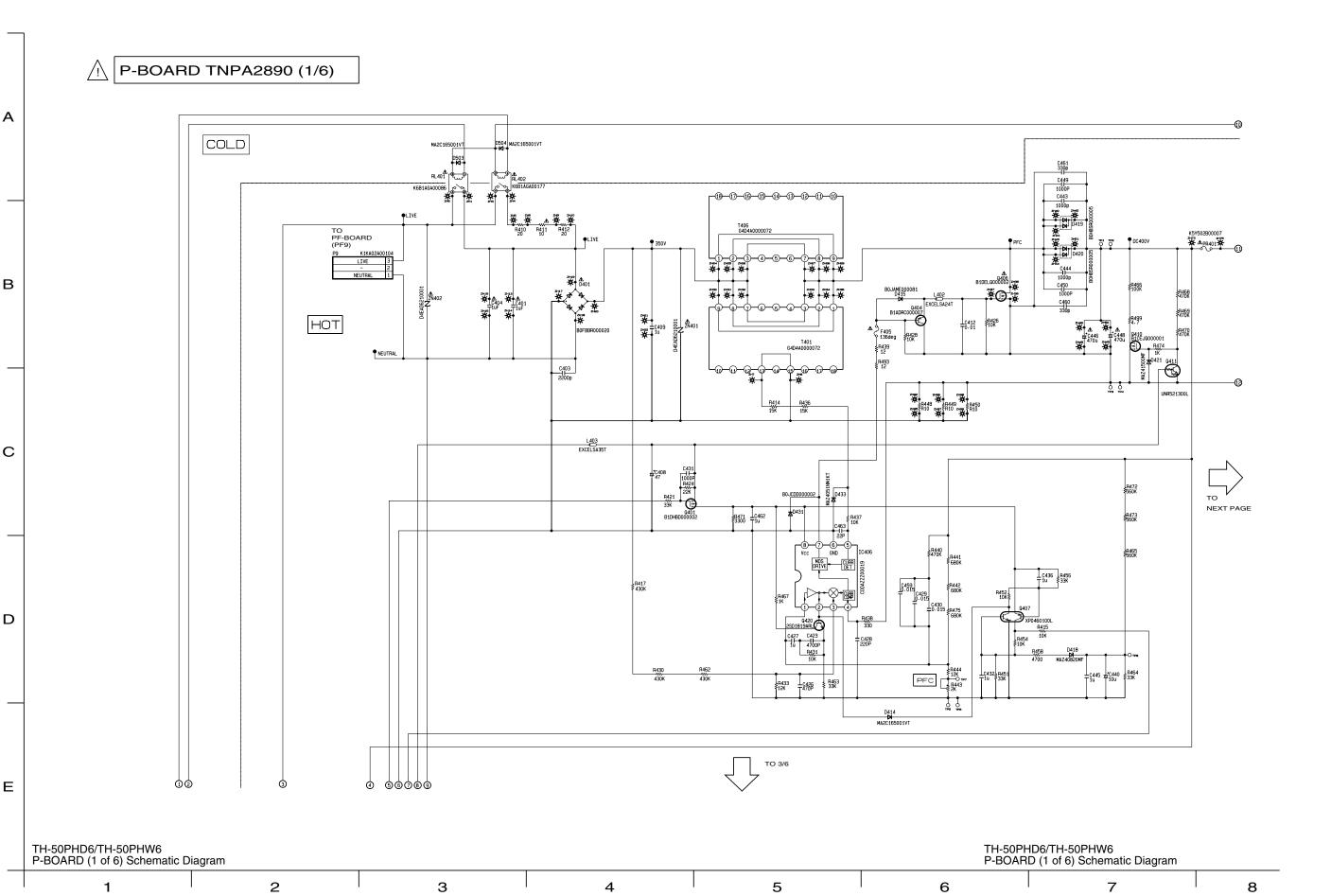
The circuit is defined by HOT and COLD indications in the schematic diagram. Take the following precautions.

All circuits, except the Power Circuit, are cold.

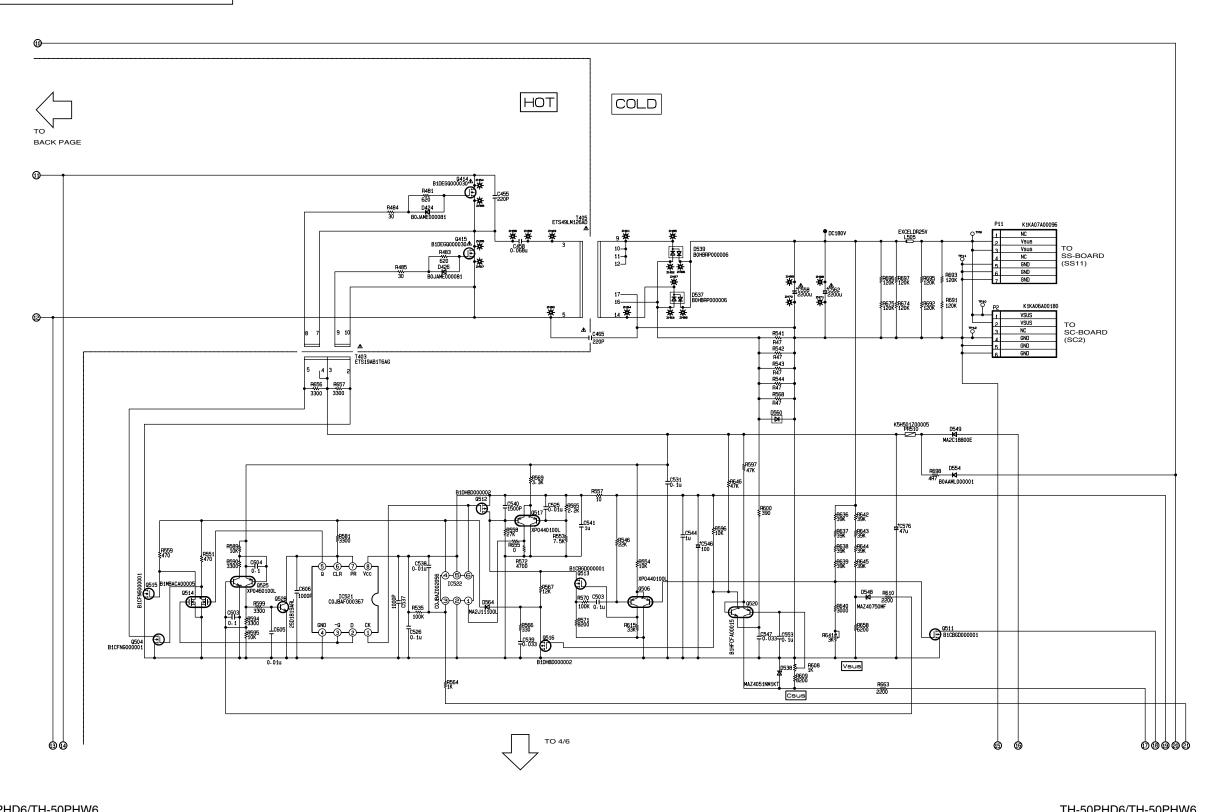
Precautions

- a. Do not touch the hot part or the hot and cold parts at the same time or you may be shocked.
- b. Do not short- circuit the hot and cold circuits or a fuse may blow and parts may break.
- c. Do not connect an instrument, such as an oscilloscope, to the hot and cold circuits simultaneously or a fuse may blow.
 Connect the earth of instruments to the earth connection of the circuit being measured.
- d. Make sure to disconnect the power plug before removing the chassis.
- 2. Following diodes are interchangeable.

MA150- MA162 (Replacement part)



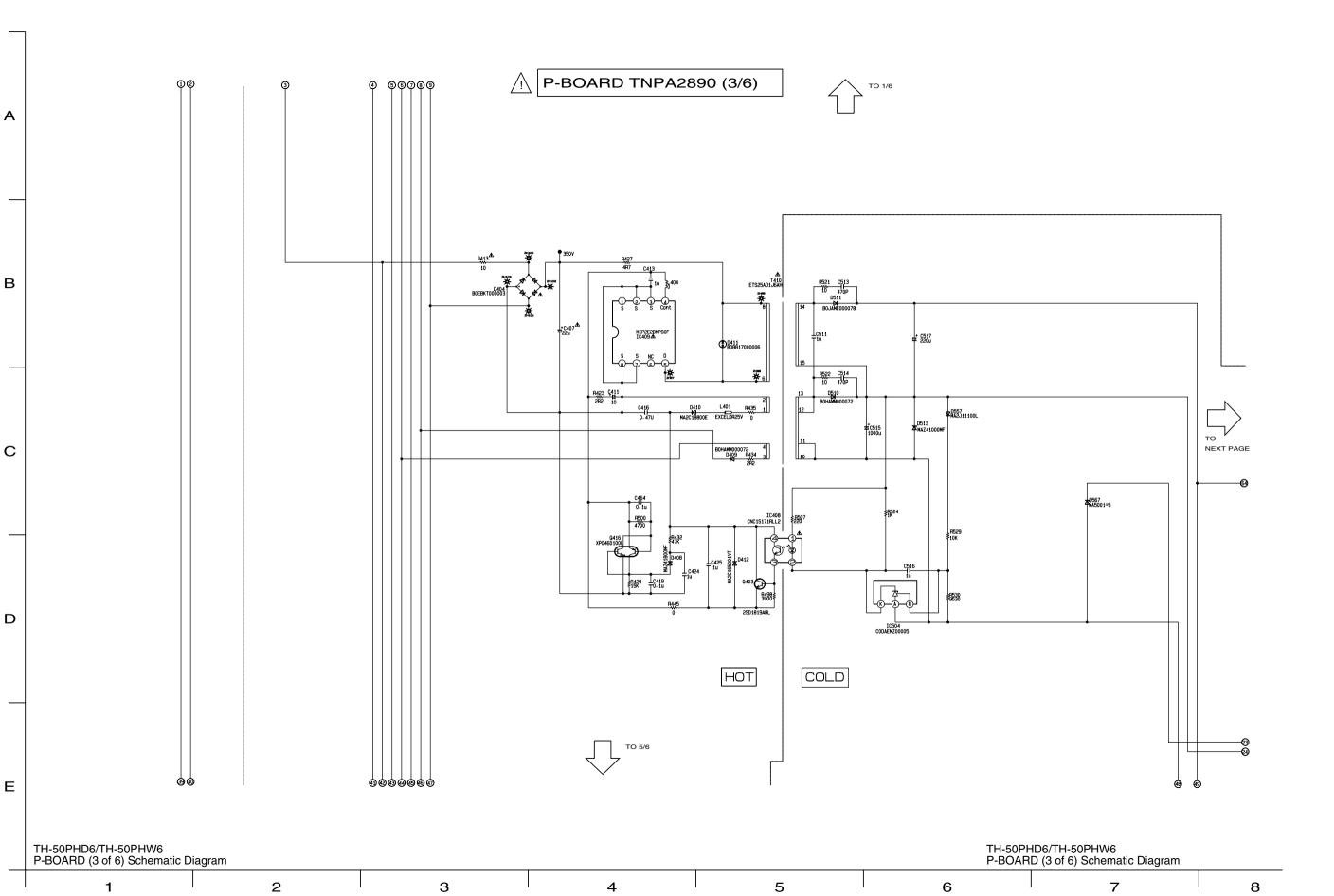
P-BOARD TNPA2890 (2/6)

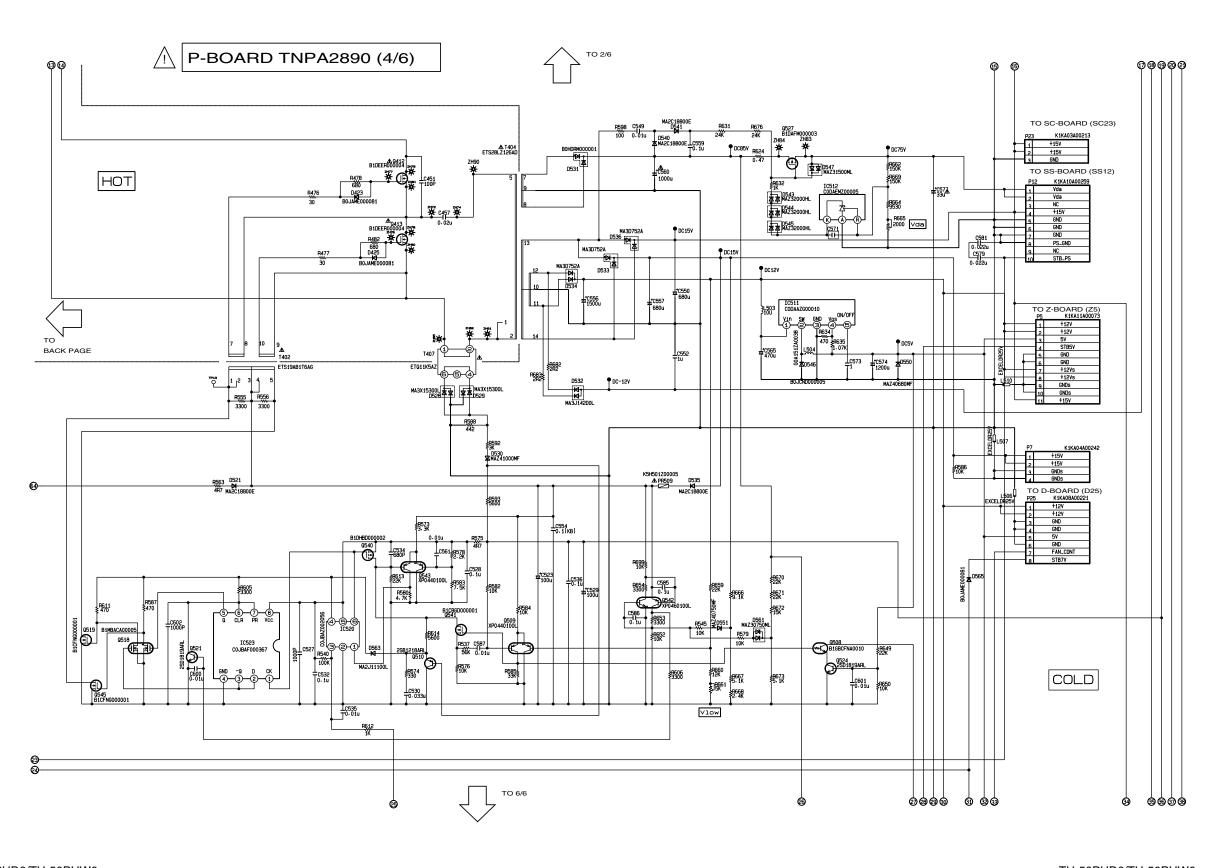


 TH-50PHD6/TH-50PHW6

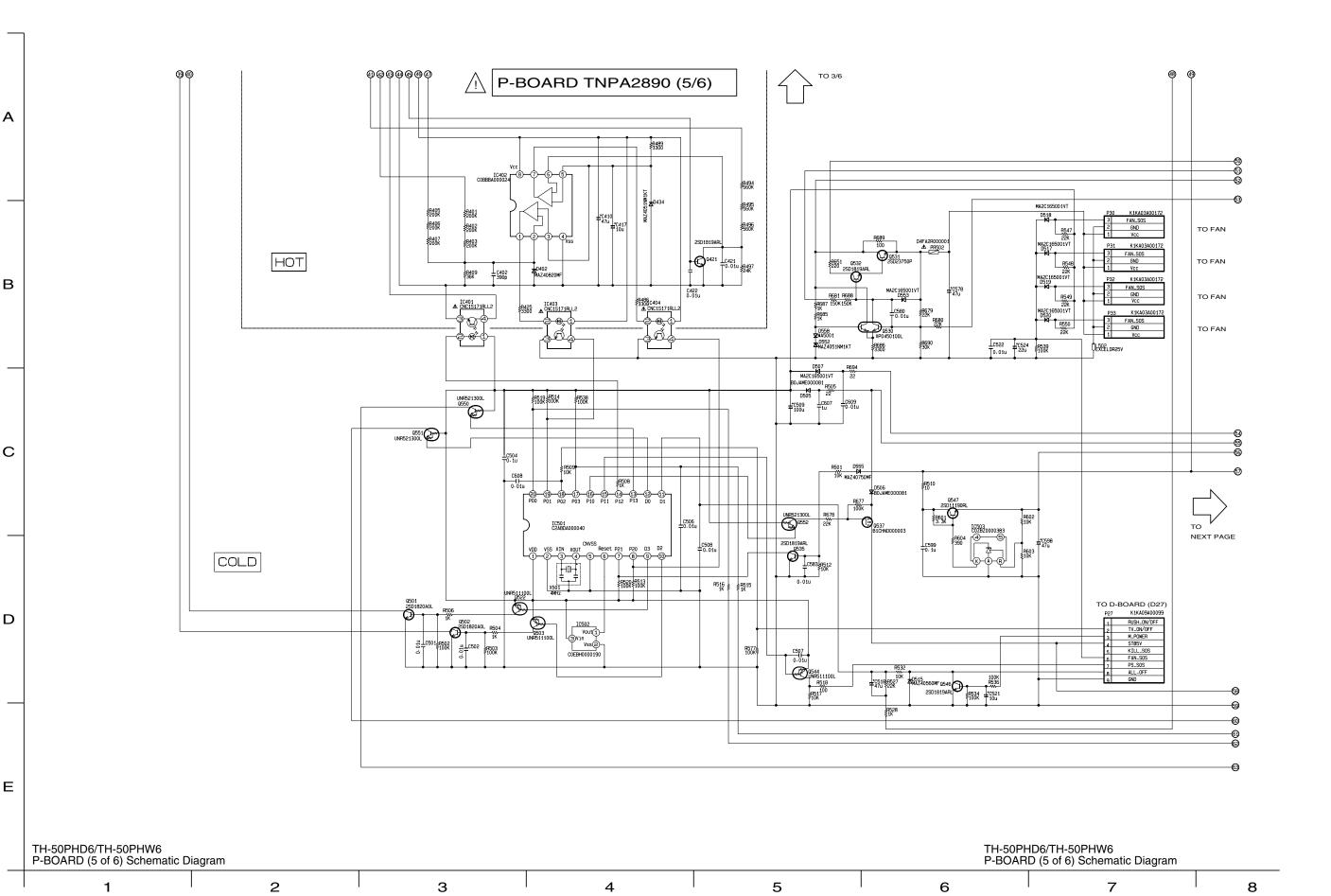
 P-BOARD (2 of 6) Schematic Diagram

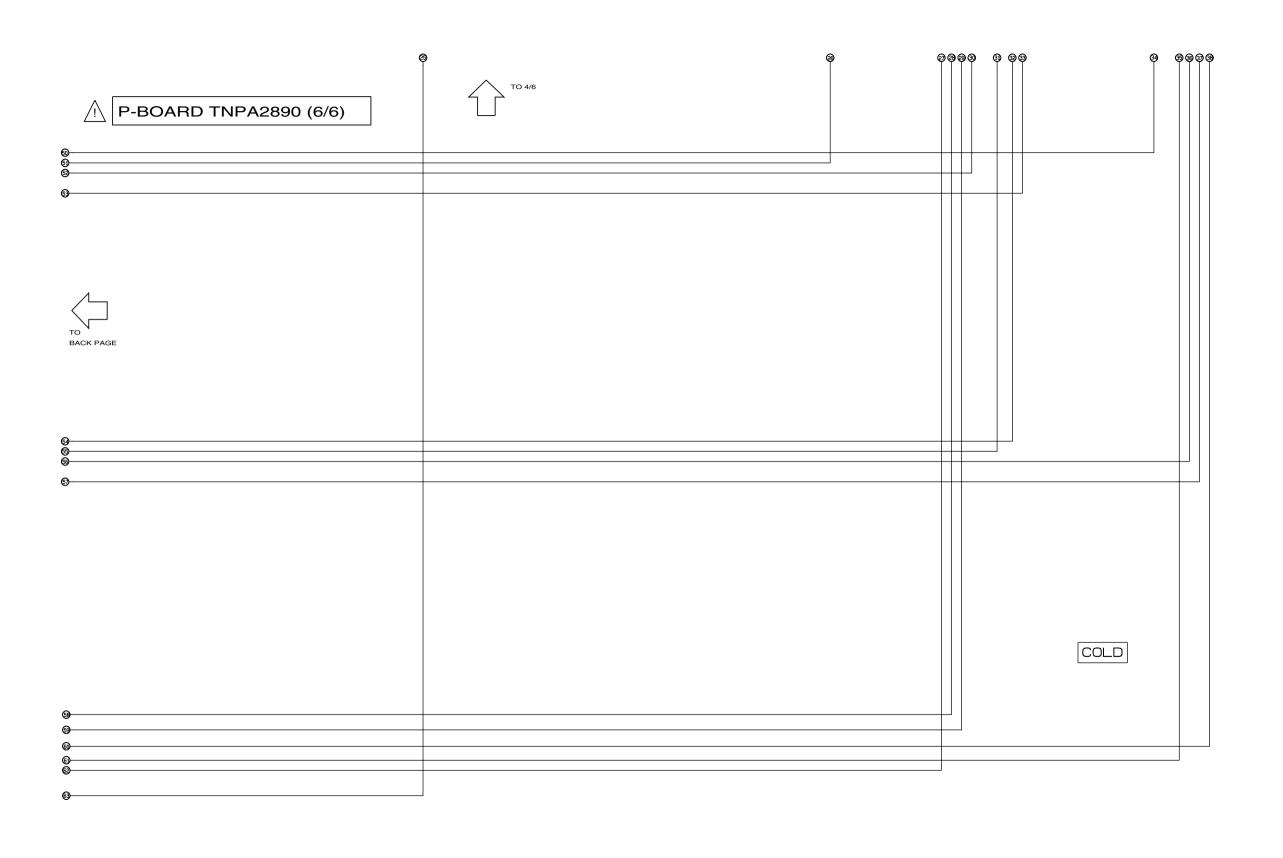
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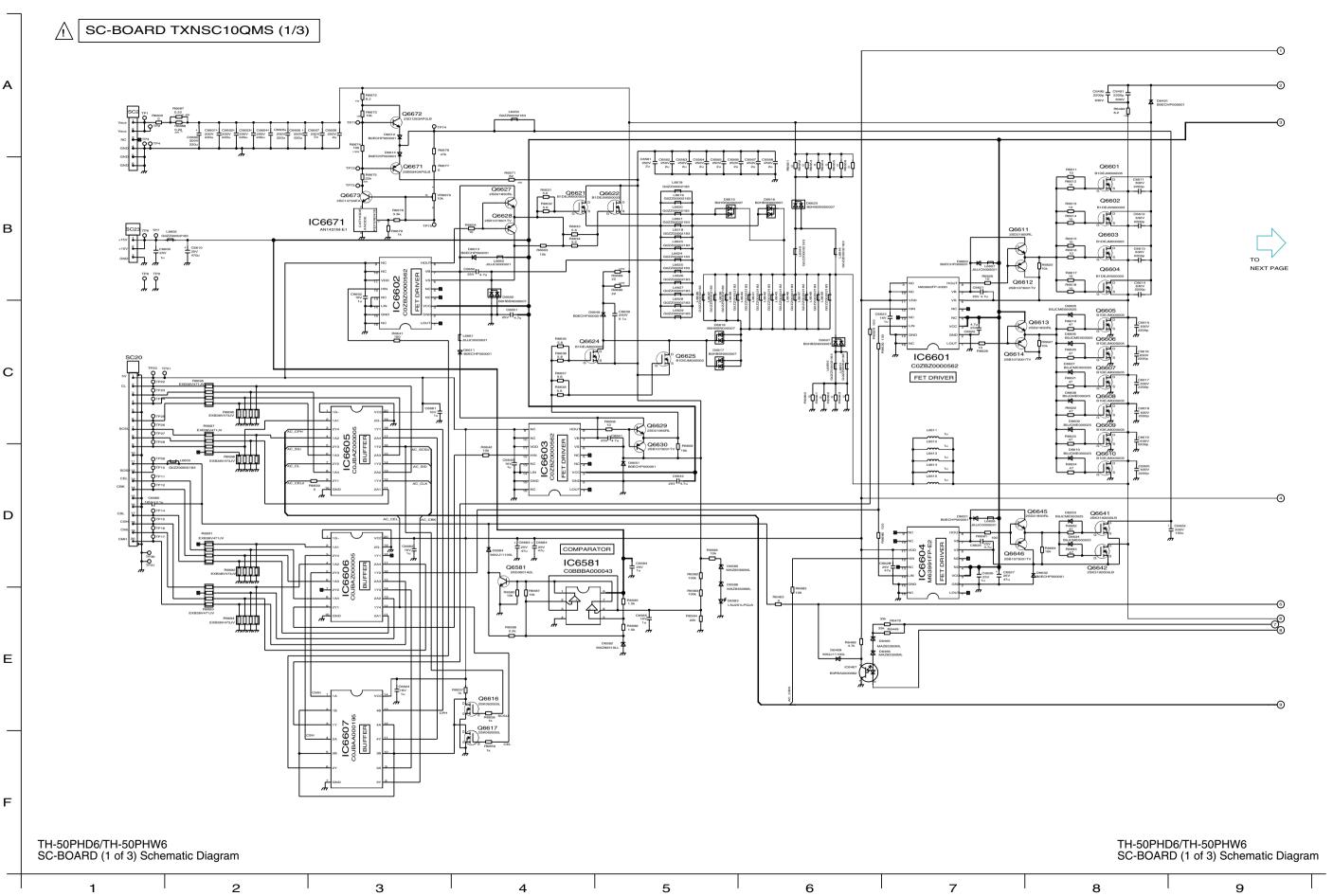
 TH-50PHD6/TH-50PHW6 P-BOARD (6 of 6) Schematic Diagram
 TH-50PHD6/TH-50PHW6 P-BOARD (6 of 6) Schematic Diagram

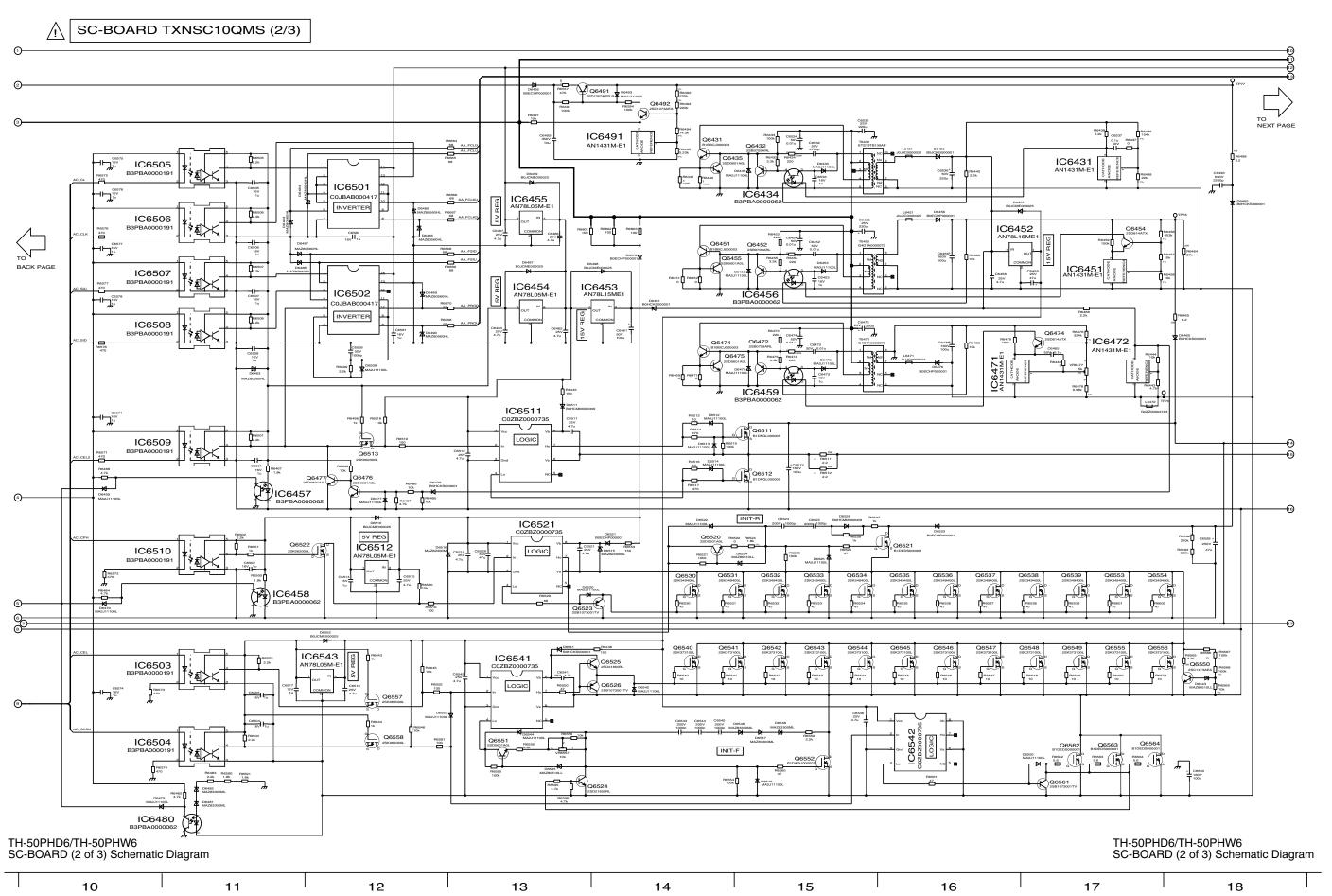
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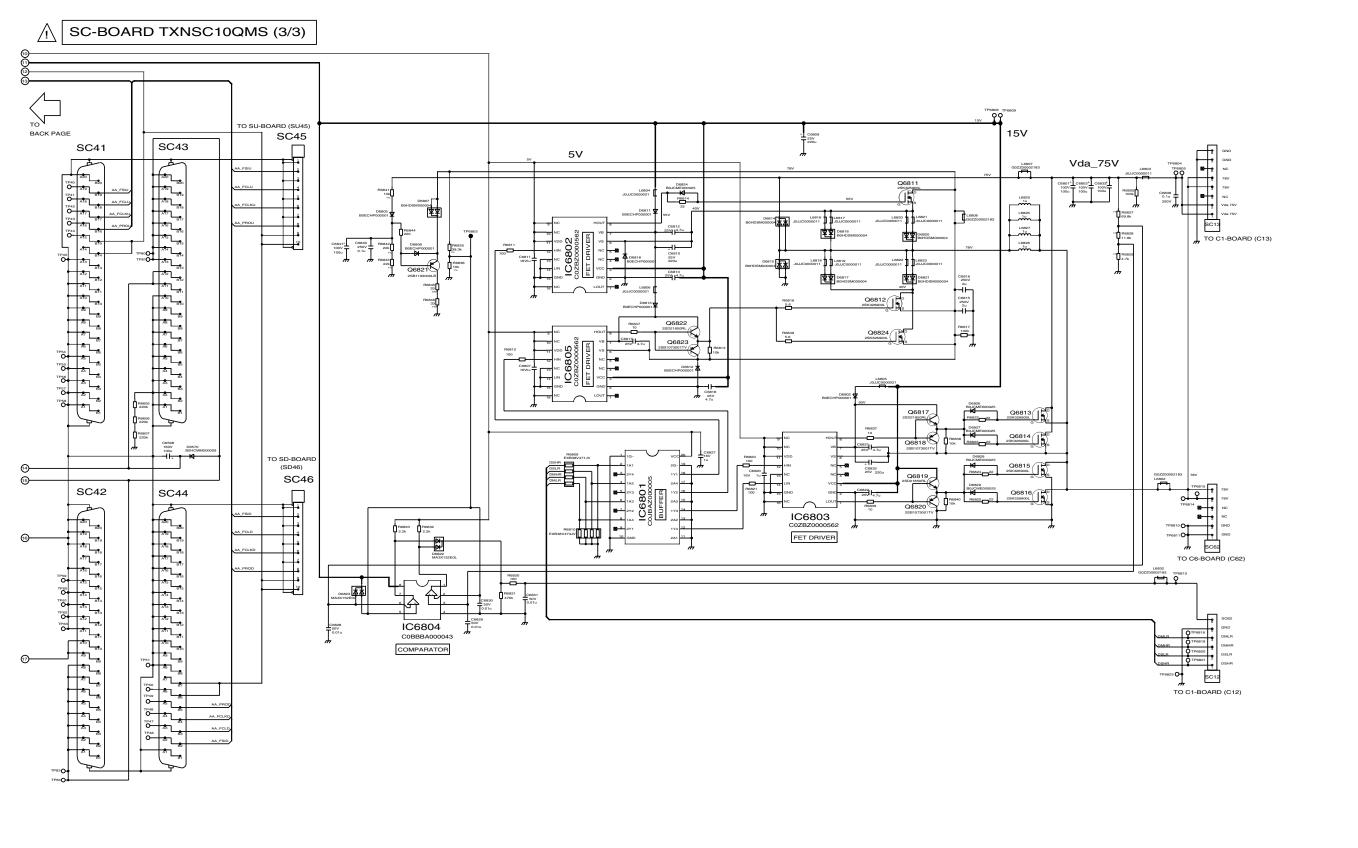
PF-BOARD TXNPF10QMS Α TO P-BOARD В COLD НОТ TO J-BOARD _{PF10} (J10) С IC901 56 MIP2E4DMY1TV D IC902 Е

TH-50PHD6/TH-50PHW6 PF-BOARD Schematic Diagram TH-50PHD6/TH-50PHW6 PF-BOARD Schematic Diagram 2 3 5 6 7

8

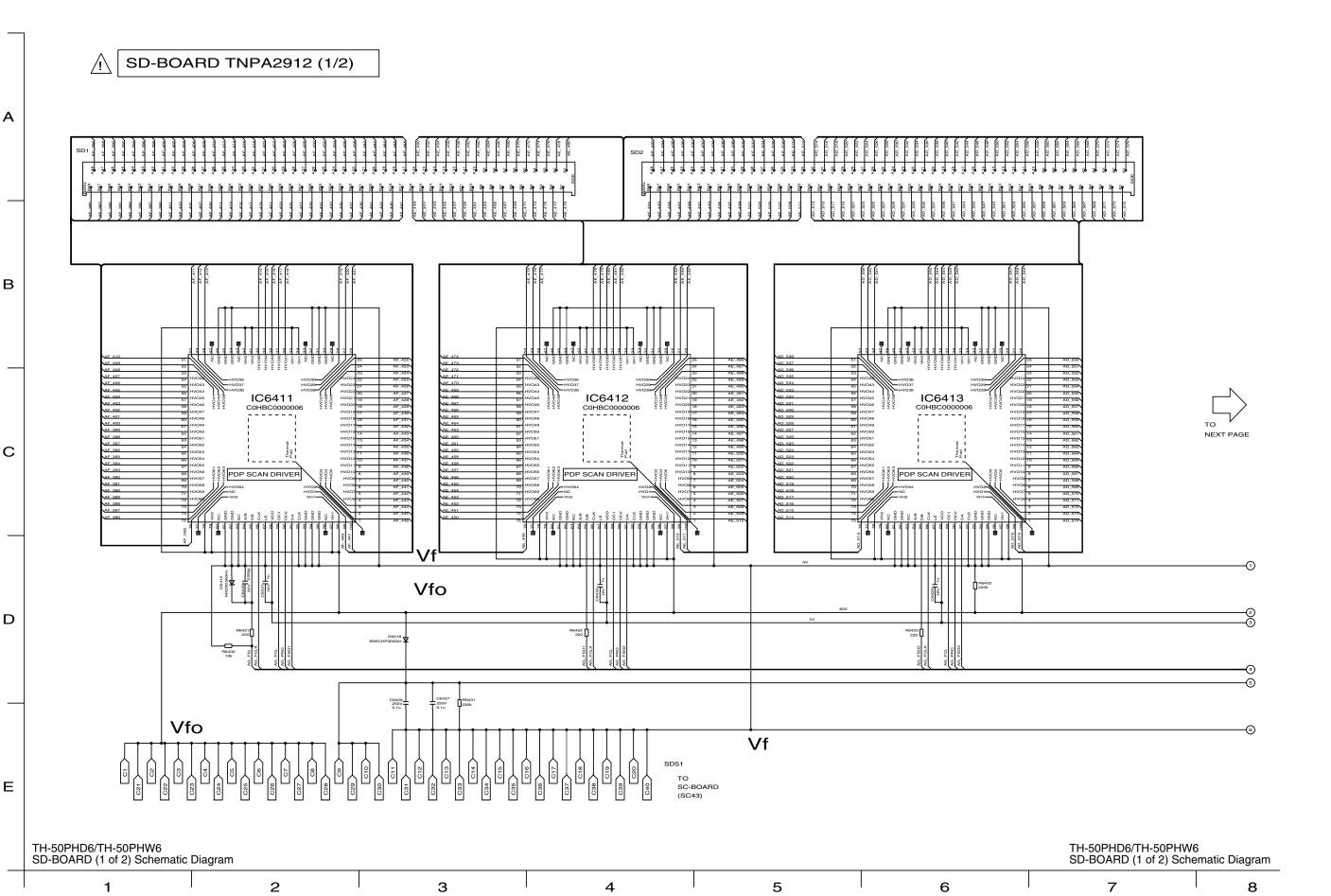






TH-50PHD6/TH-50PHW6 SC-BOARD (3 of 3) Schematic Diagram TH-50PHD6/TH-50PHW6 SC-BOARD (3 of 3) Schematic Diagram

19 20 21 22 23 24 25 26 27



TH-50PHD6/TH-50PHW6 SD-BOARD (2 of 2) Schematic Diagram

8

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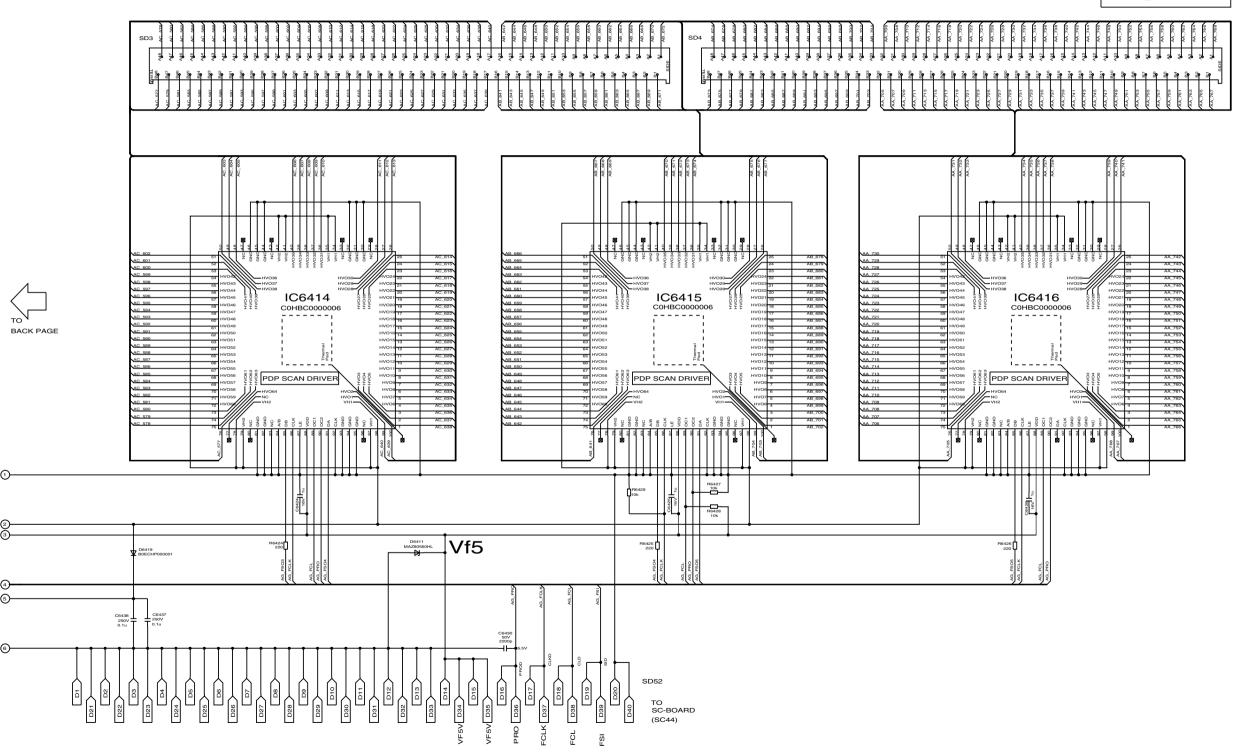
11

DOWN

TH-50PHD6/TH-50PHW6 SD-BOARD (2 of 2) Schematic Diagram

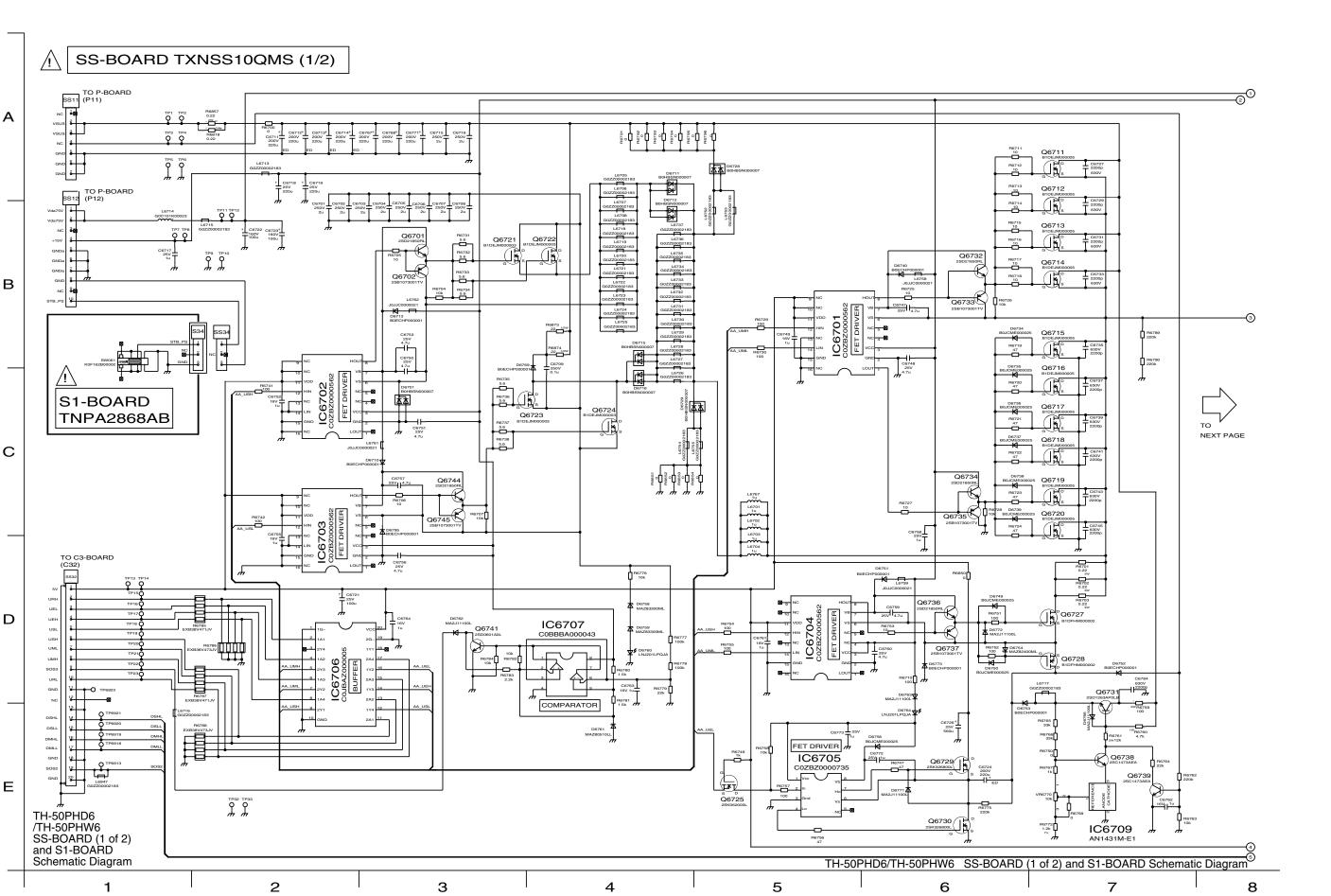
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SU-BOARD TNPA2911 (1/2) SU-SU2 IC6401 COHBC0000006 IC6403 COHBC0000006 IC6402 C0HBC0000006 то NEXT PAGE PDP SCAN DRIVER PDP SCAN DRIVER PDP SCAN DRIVER R6403 220 TO SC-BOARD (SC41) TH-50PHD6/TH-50PHW6 SU-BOARD (1 of 2) Schematic Diagram TH-50PHD6/TH-50PHW6 SU-BOARD (1 of 2) Schematic Diagram 2 3 5 6 7 8

Α

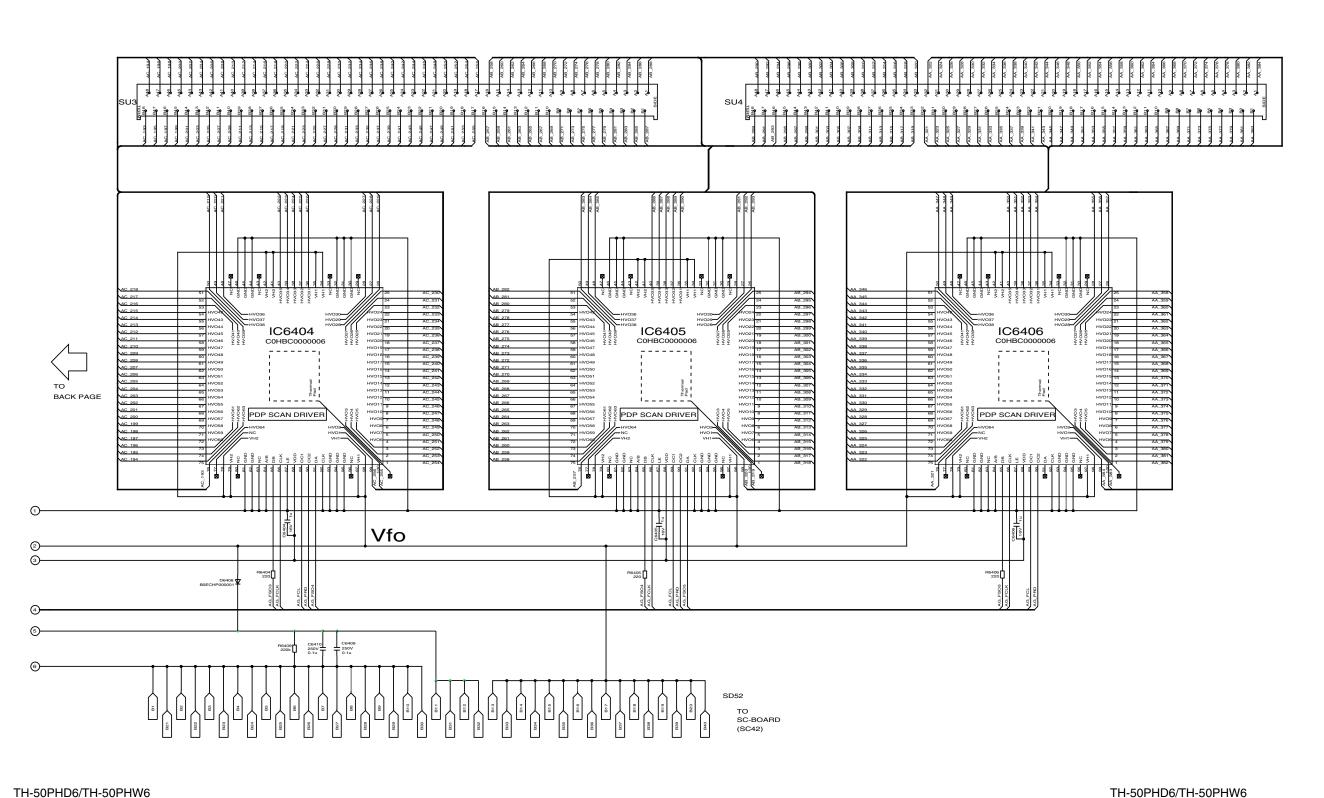
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<u>N</u> SU-BOARD TNPA2911 (2/2)



Α

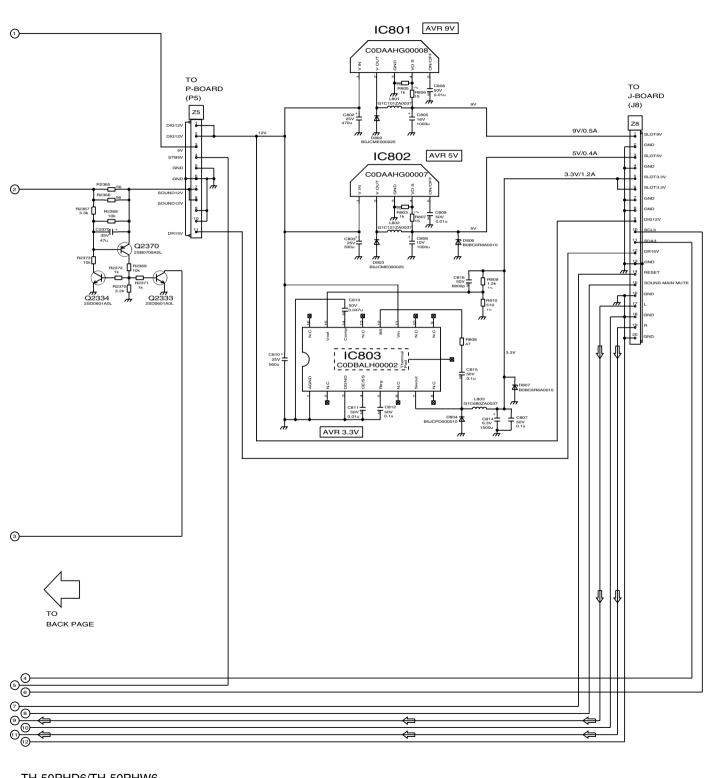
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Z-BOARD TXN/Z10QBS (2/2)



TH-50PHD6/TH-50PHW6
Z-BOARD (2 of 2) Schematic Diagram

8 9 10 11 12 13 14 15

14 Schematic Diagrams

14.1. Schematic Diagram Notes

	Components identified by Δ mark have special characteristics important for safety. When replacing any of these components, use only manufacture's specified parts.		
Note	es:		
1.	Resistor		
	All resistors are cabon 1/4W resistor, unless marked as follows:		
	Unit of resistance is OHM [Ω] (K=1,000, M=1,000,000).		
	: Nonflammable	\boxtimes	: Metal Oxide
	∴ Solid	\bigcirc	: Metal Film
	: Wire Wound	\otimes	: Fuse:
2.	•		
	All capacitors are ceramic 50V capacitor, unless marked as follows: Jnit of capacitance is μF, unless otherwise noted.		
		+ -	: Electrolytic
	M : Polyester	NP H	
		①	
•		\bigcirc	: Z-Type
3.	Coil	(I	
4	Unit of inductance is μF , unless otherwise not	iea.	
4.	Test Point		
_	Court Symbol		
5.	Earth Symbol	1	. Line Forth (Het)
6	# : Chassis Earth (Cold)	\downarrow	: Line Earth (Hot)
О.	Voltage Measurement		
	Voltage is measured by a DC voltmeter. Conditions of the measurement are the follow	ina:	
	Power Source		۸C220-240\/ 50/60Hz
	Receiving Signal		
	All customer's controls		
7	Number in red circle indicates waveform nem		Waxiirium positions
١.	(See waveform pattern table.)	DCI.	
8	When arrow mark (/) is found, connection is	s easily four	nd from the direction of arrow
0.	Then allow mark (/) to loana, conhection to easily loana norm the direction of allow		
9.	Indicates the major signal flow. : Video	→ /-	Audio⇔
	This schematic diagram is the latest at the time		
	notice.	,	, ,

Important Safety Notice

TH-50PHD6/TH-50PHW6 Schematic Diagram Notes

Remarks:

1. The Power Circuit contains a circuit area which uses a separate power supply to isolate the earth connection.

The circuit is defined by HOT and COLD indications in the schematic diagram. Take the follwing precautions.

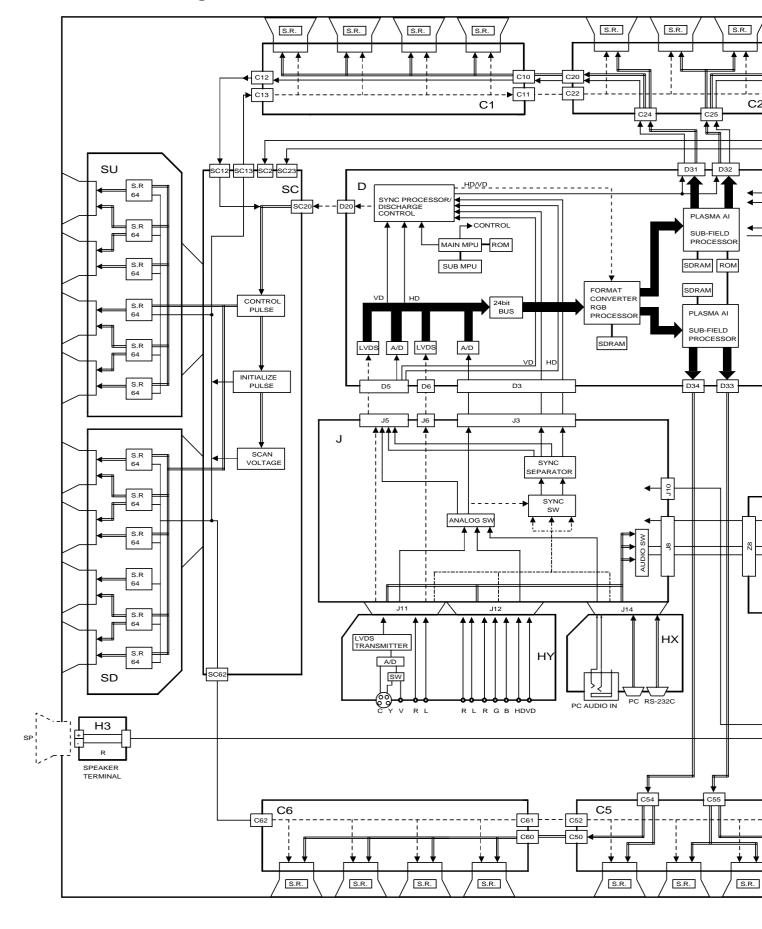
All circuits, except the Power Circuit, are cold.

Precautions

- a. Do not touch the hot part or the hot and cold parts at the same time or you may be shocked.
- b. Do not short- circuit the hot and cold circuits or a fuse may blow and parts may break.
- c. Do not connect an instrument, such as an oscilloscope, to the hot and cold circuits simultaneously or a fuse may blow.
 Connect the earth of instruments to the earth connection of the circuit being
- d. Make sure to disconnect the power plug before removing the chassis.
- 2. Following diodes are interchangeable.

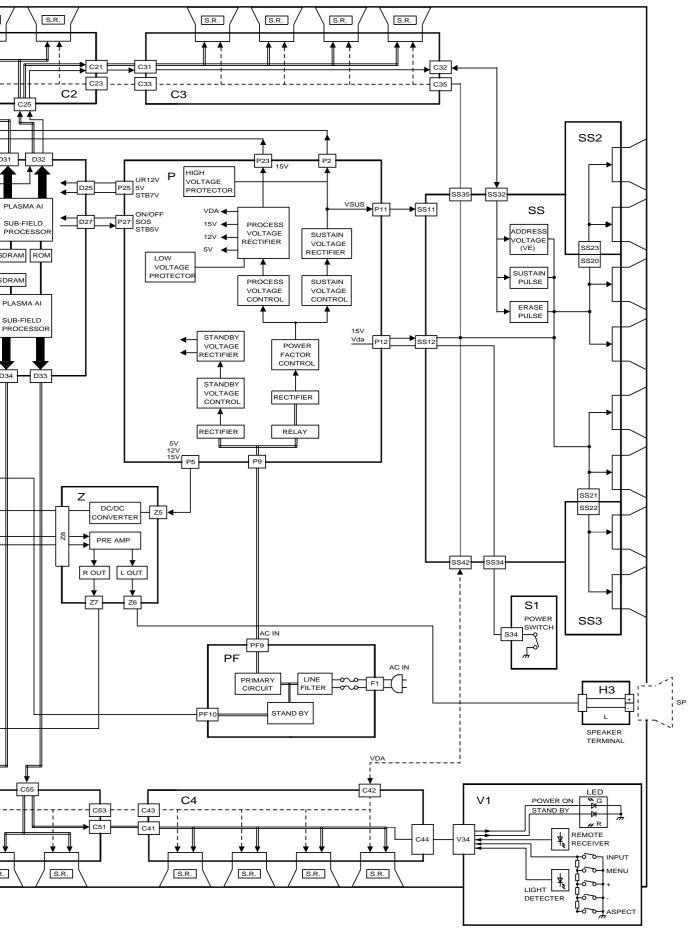
MA150- MA162 (Replacement part)

14.2. Main Block Diagram



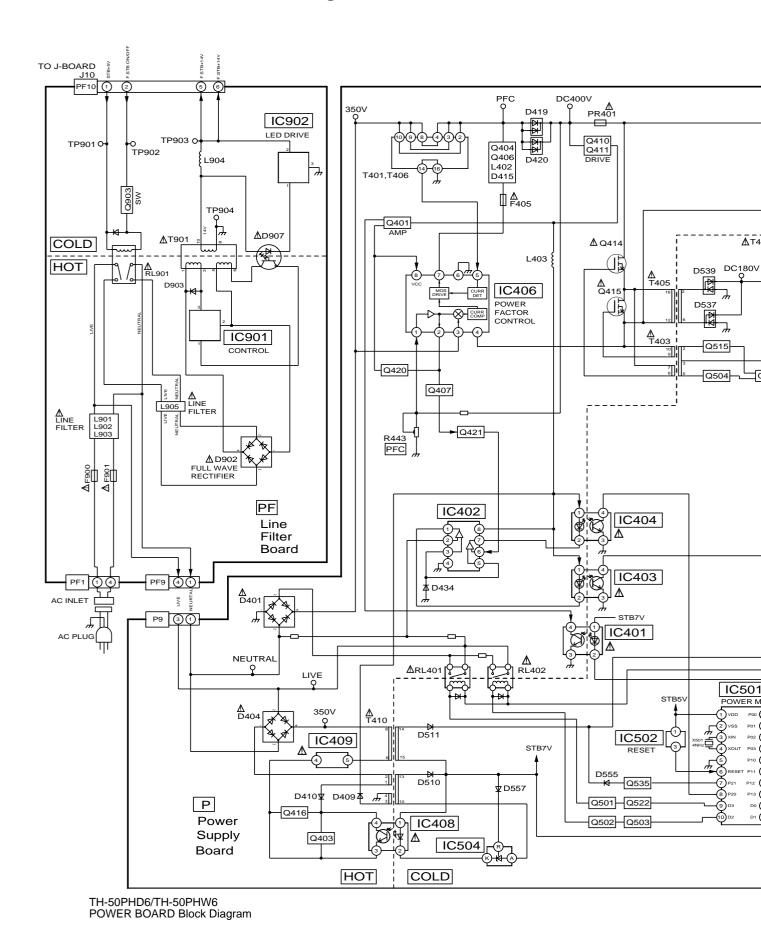
TH-50PHD6/TH-50PHW6 MAIN Block Diagram



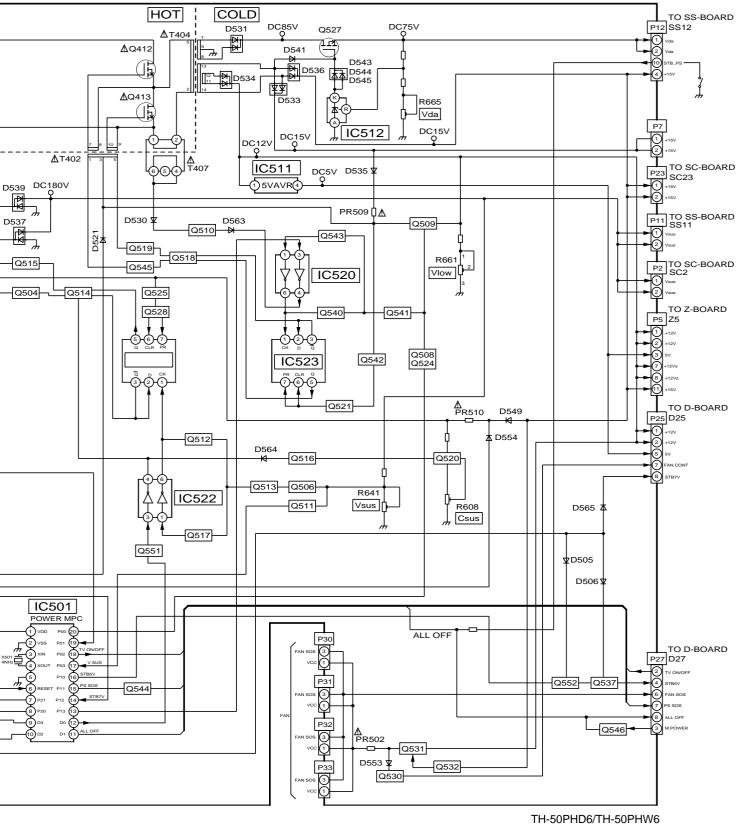


TH-50PHD6/TH-50PHW6 MAIN Block Diagram

14.3. P and PF-Board Block Diagram

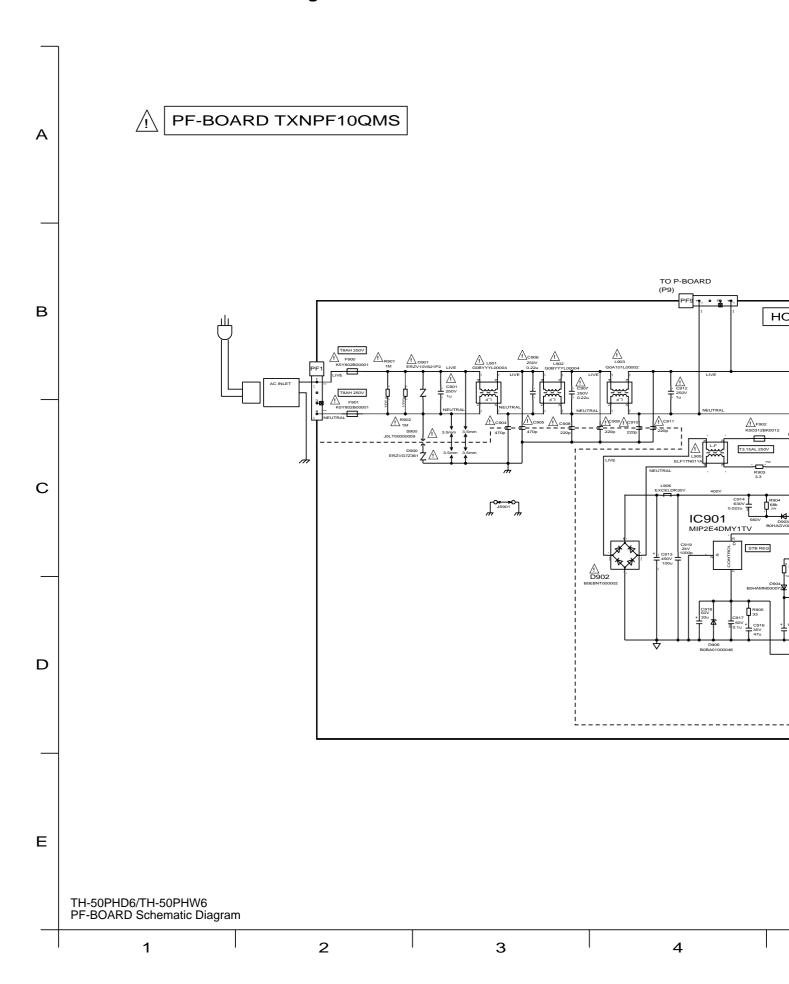


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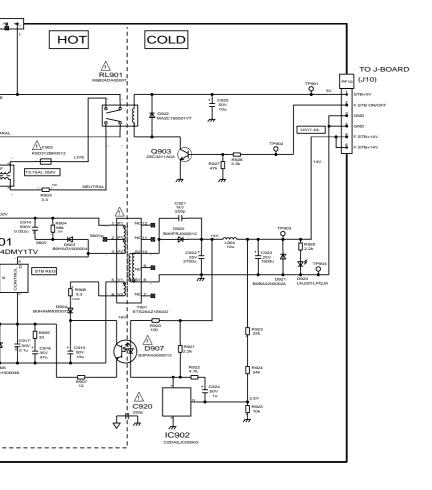


TH-50PHD6/TH-50PHW6 POWER BOARD Block Diagram

14.4. PF-Board Schematic Diagram



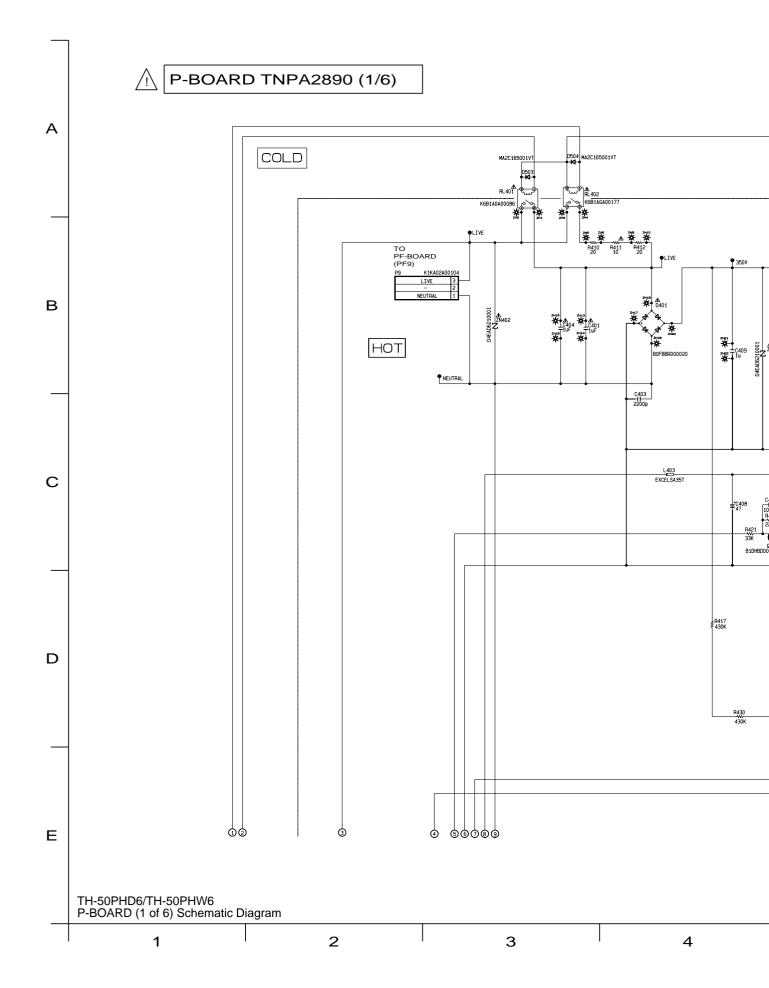




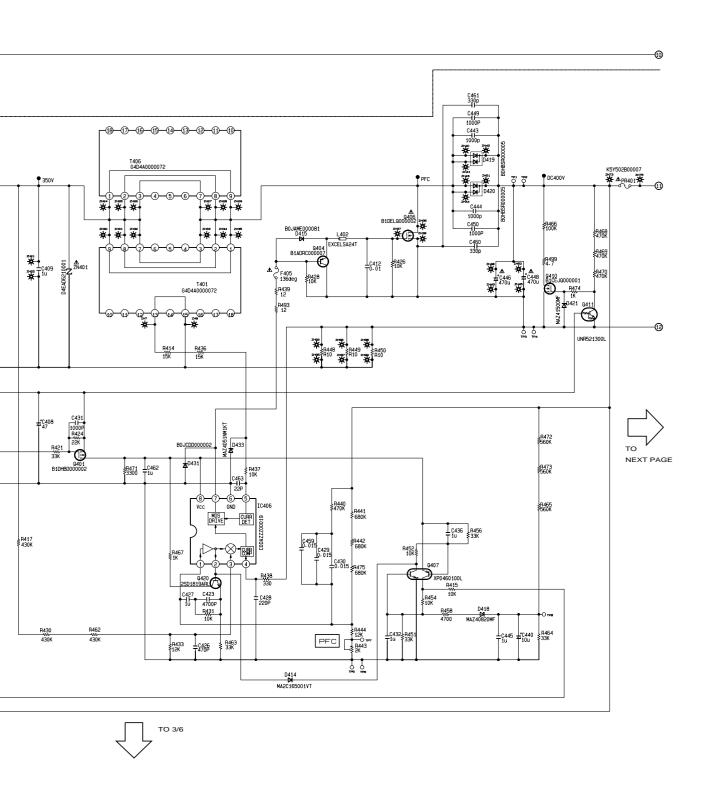
TH-50PHD6/TH-50PHW6 PF-BOARD Schematic Diagram

5 6 7 8

14.5. P-Board (1 of 6) Schematic Diagram



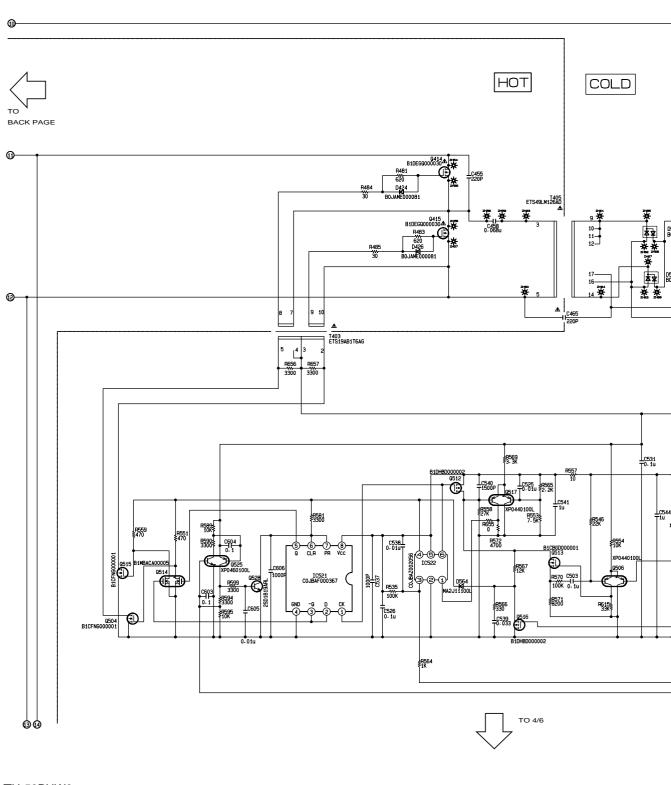


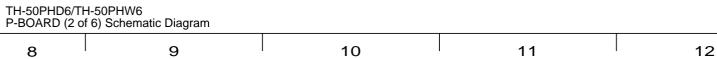




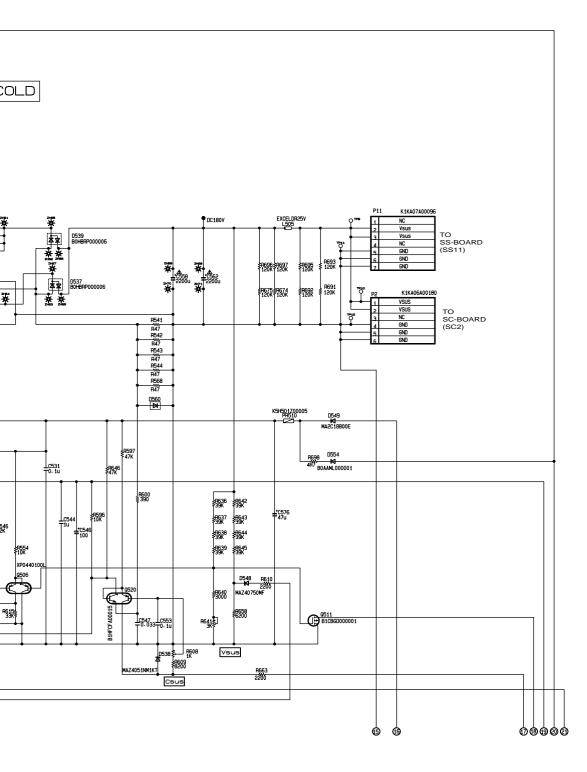
14.6. P-Board (2 of 6) Schematic Diagram

P-BOARD TNPA2890 (2/6)



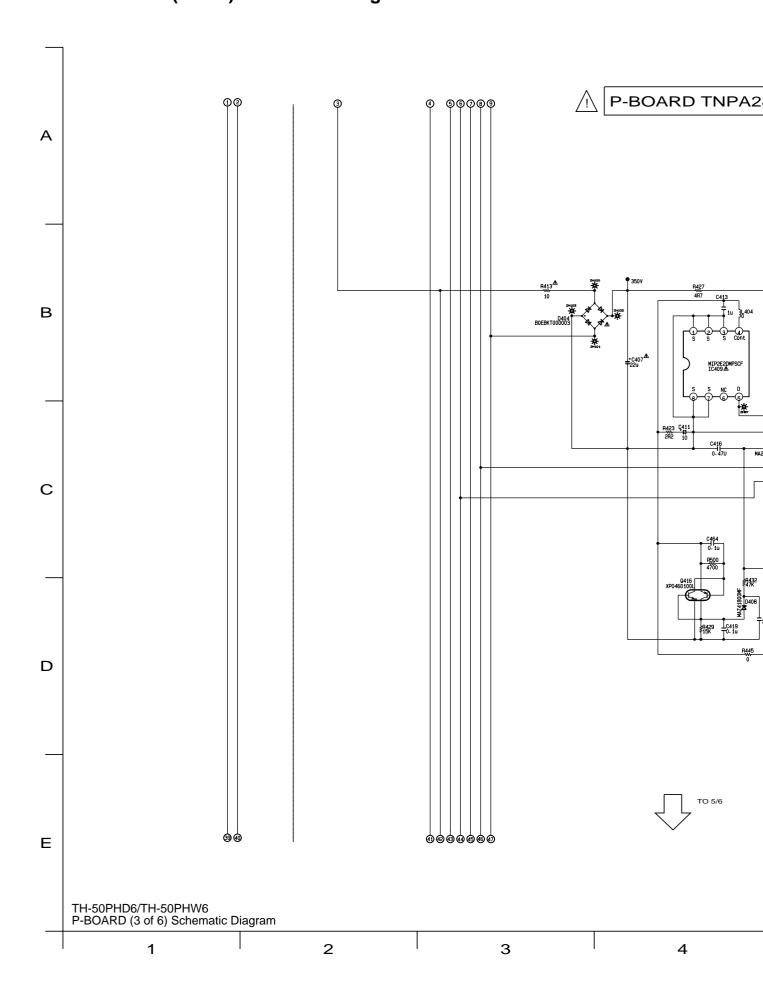








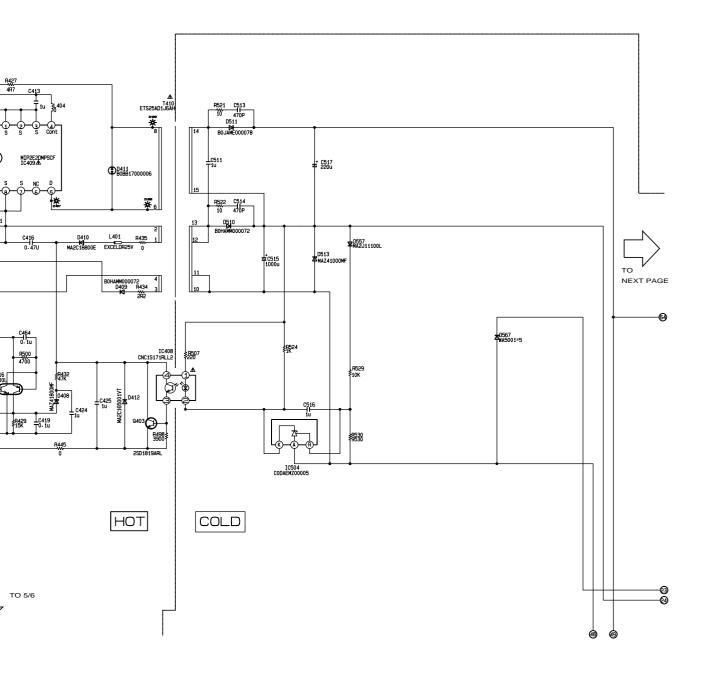
14.7. P-Board (3 of 6) Schematic Diagram





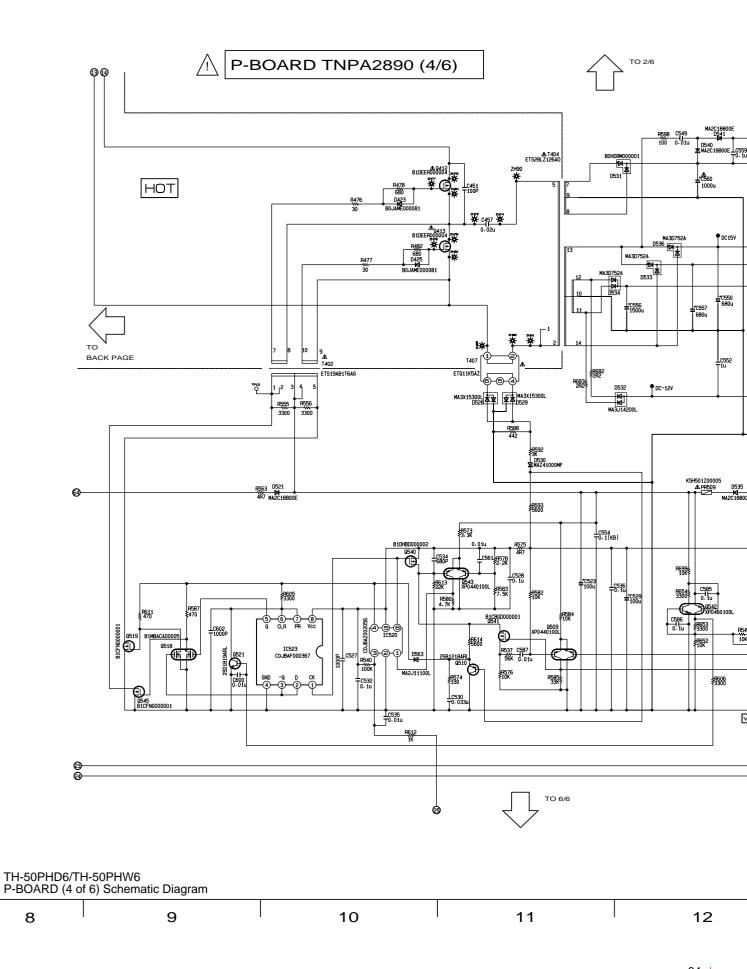
D TNPA2890 (3/6)



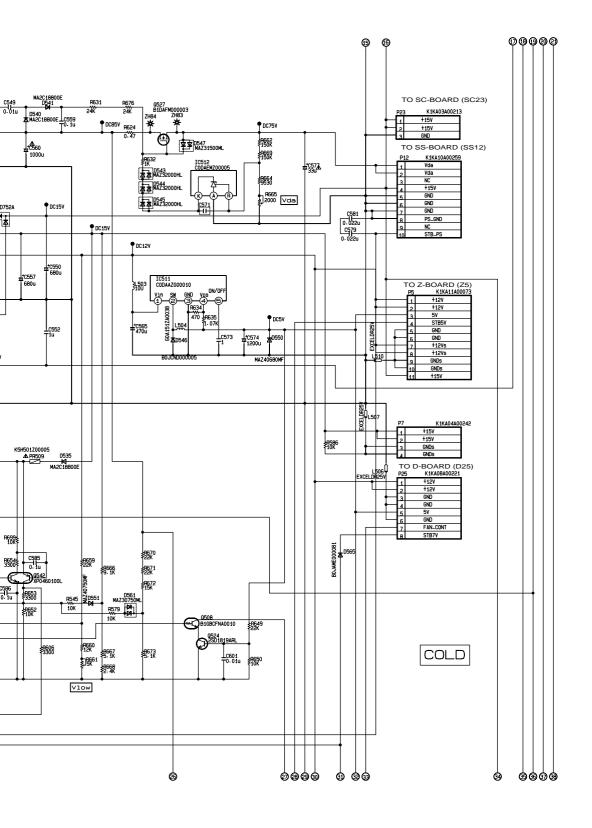




14.8. P-Board (4 of 6) Schematic Diagram

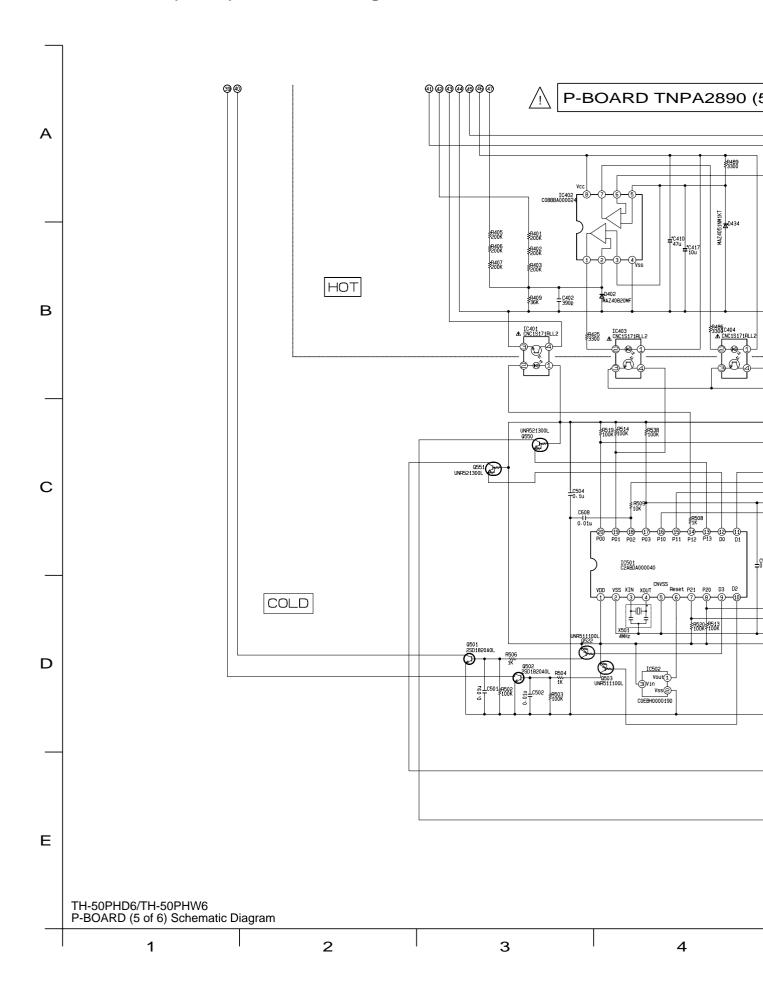




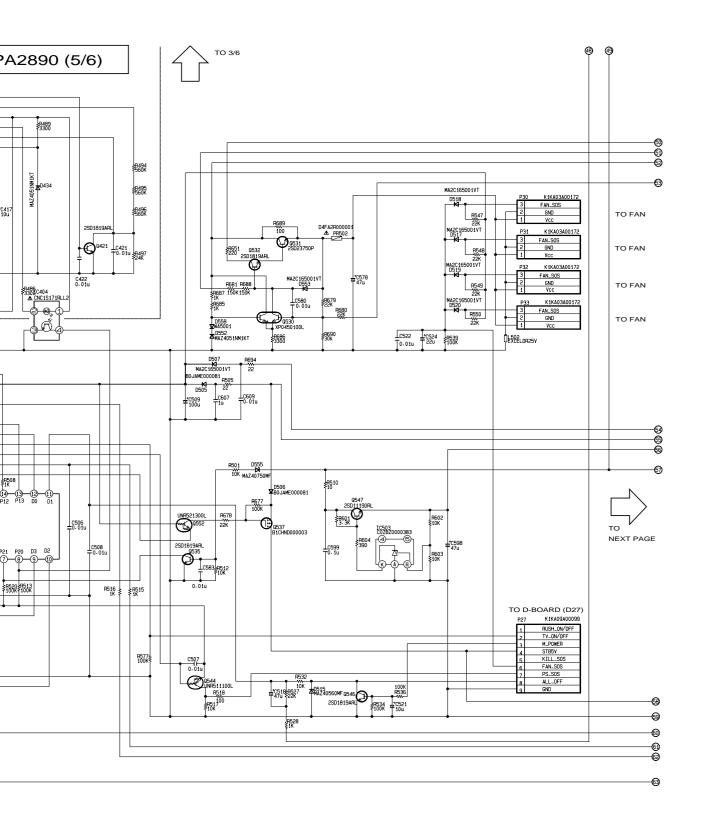




14.9. P-Board (5 of 6) Schematic Diagram

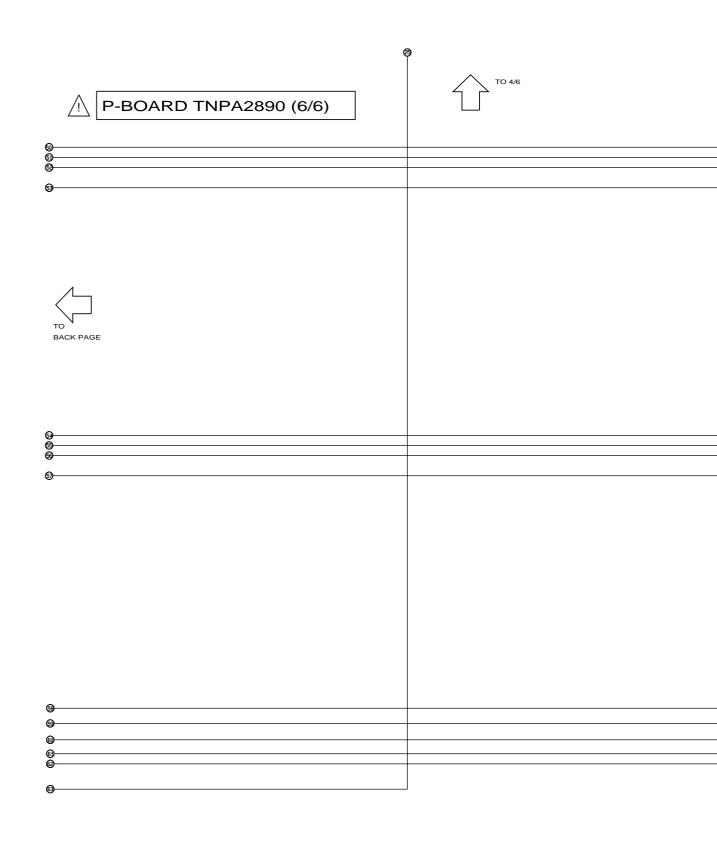


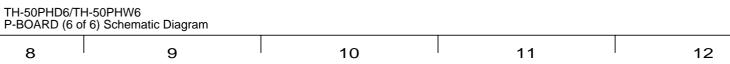




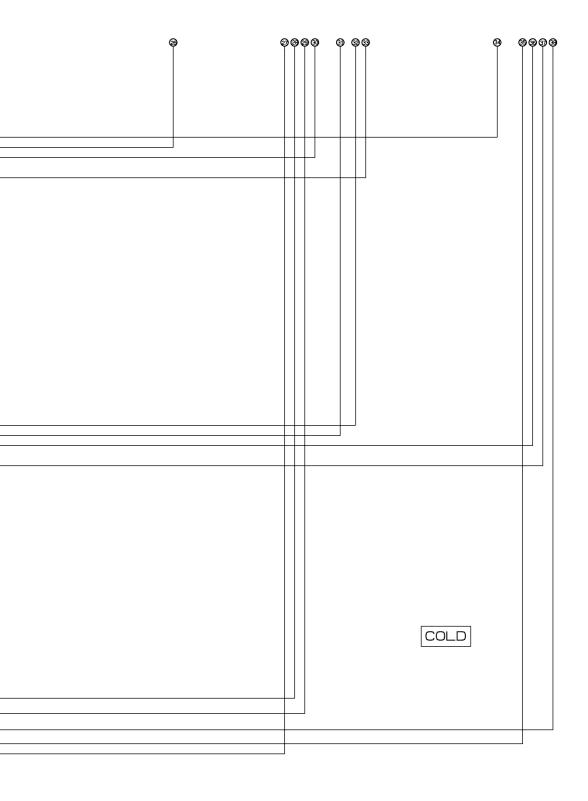


14.10. P-Board (6 of 6) Schematic Diagram



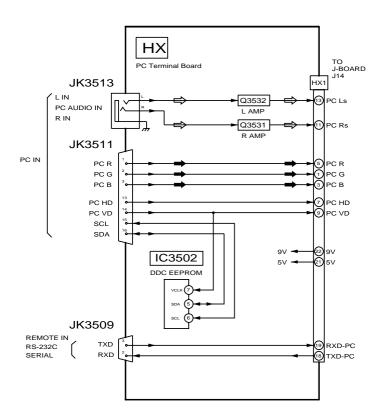








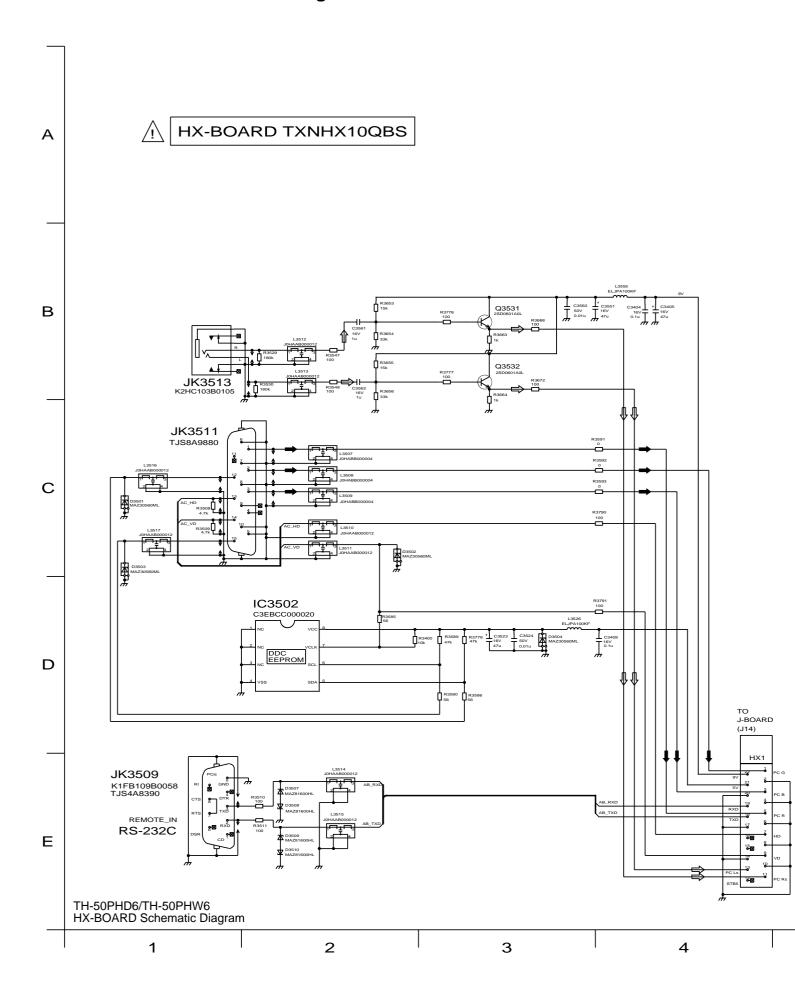
14.11. HX-Board Block Diagram

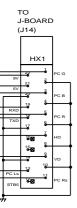


TH-50PHD6/TH-50PHW6 HX-BOARD Block Diagram

TH-50PHD6/TH-50PHW6 HX-BOARD Block Diagram

14.12. HX-Board Schematic Diagram

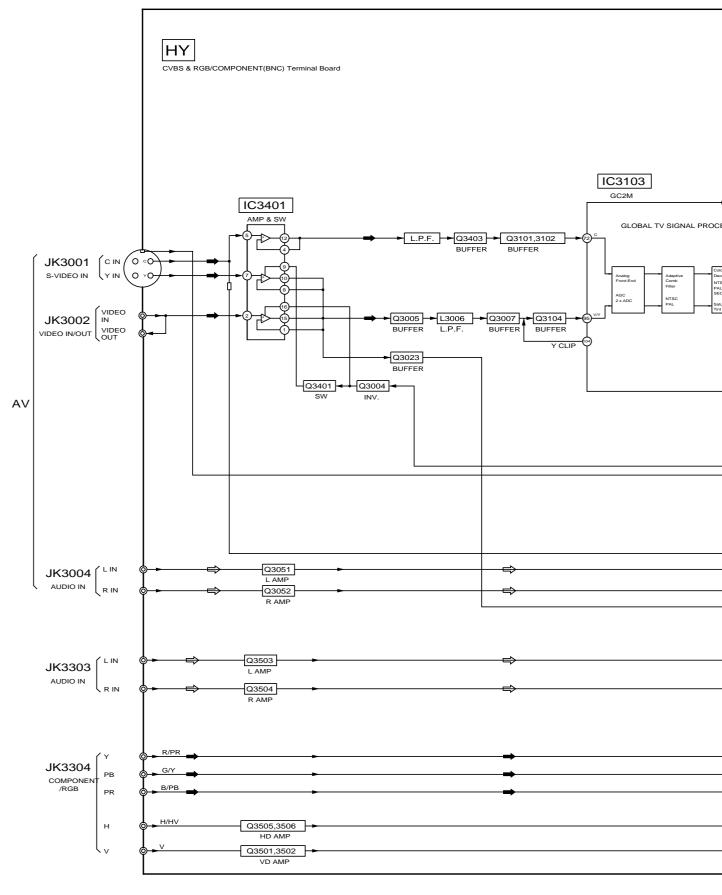




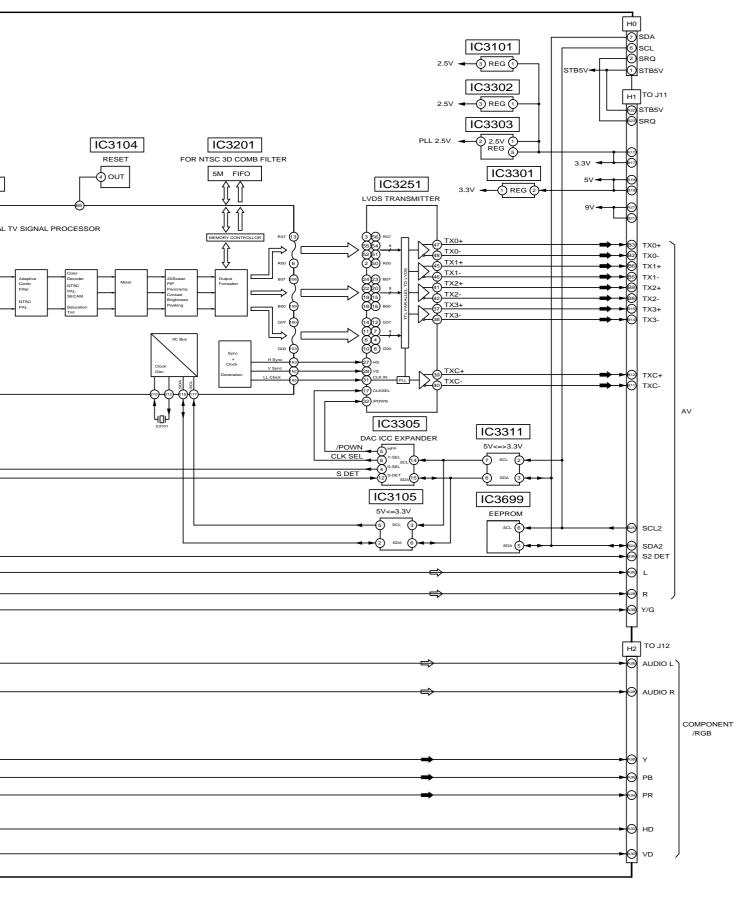
TH-50PHD6/TH-50PHW6 HX-BOARD Schematic Diagram

5 6 7 8

14.13. HY-Board Block Diagram

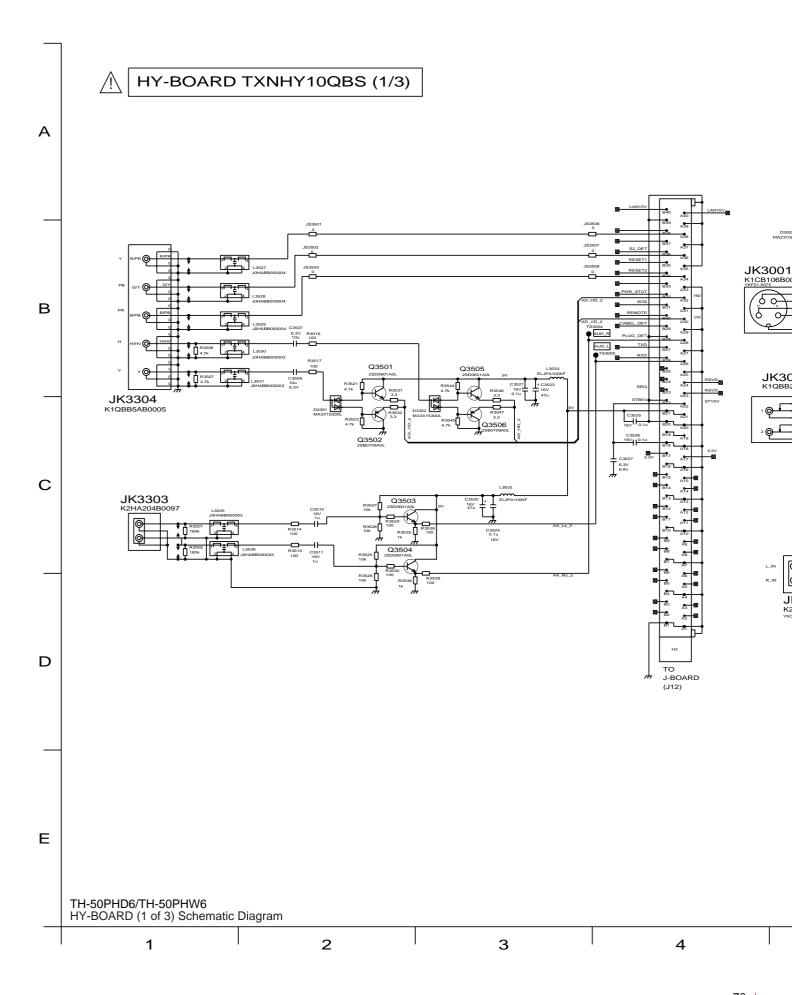


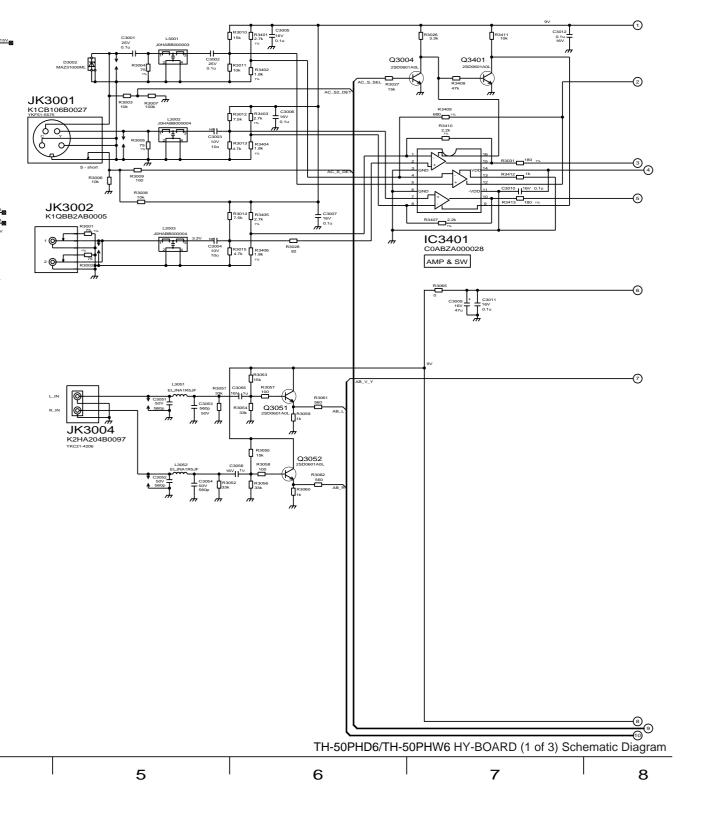
TH-50PHD6/TH-50PHW6 HY-BOARD Block Diagram



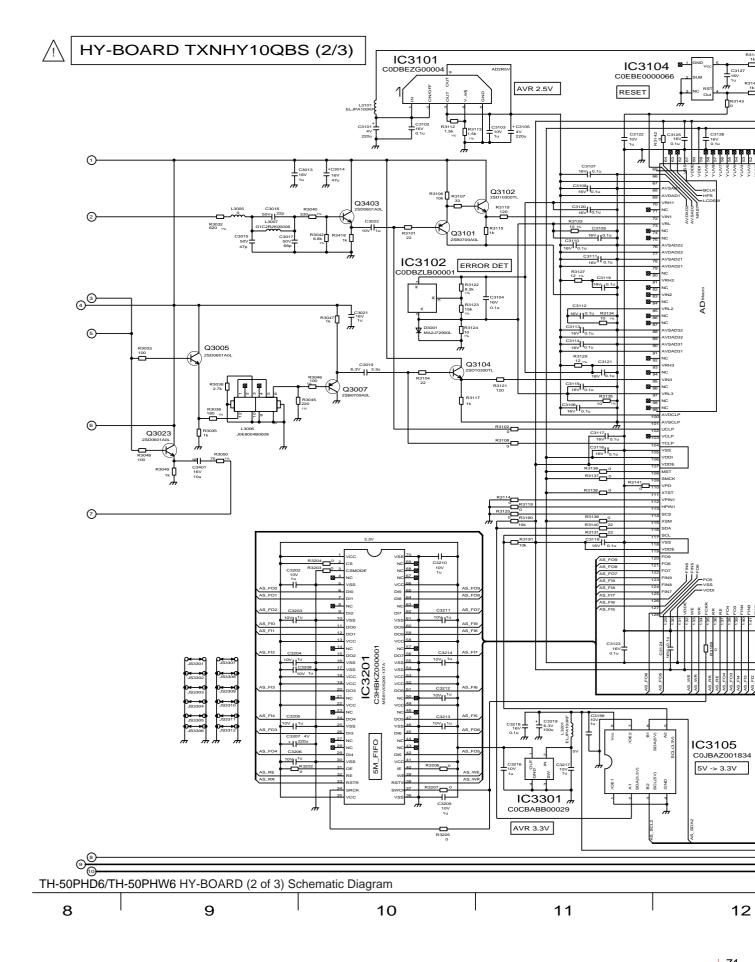
TH-50PHD6/TH-50PHW6 HY-BOARD Block Diagram

14.14. HY-Board (1 of 3) Schematic Diagram

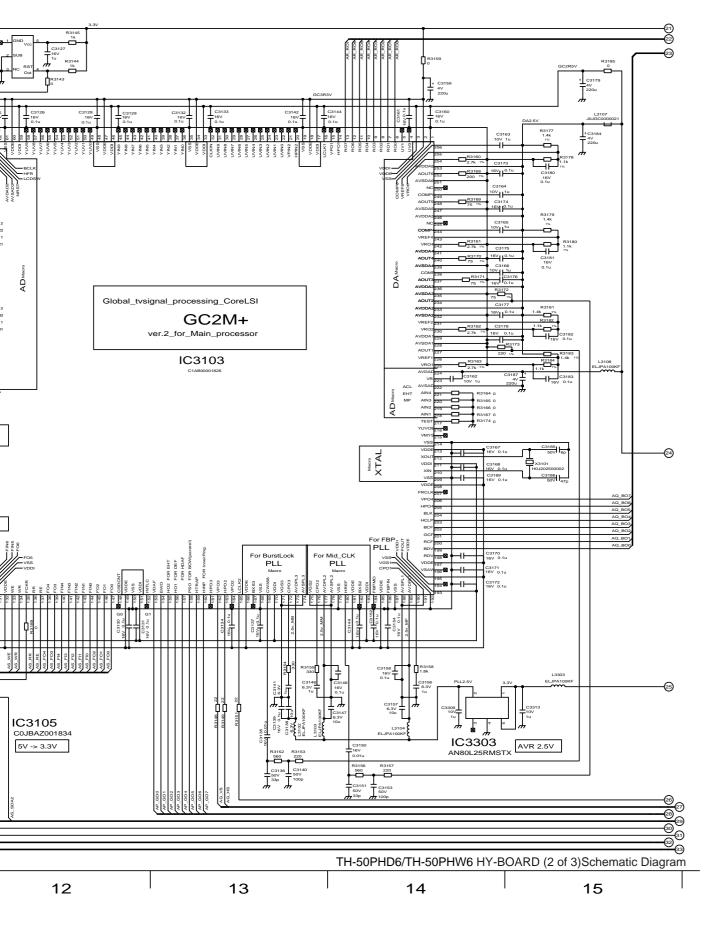




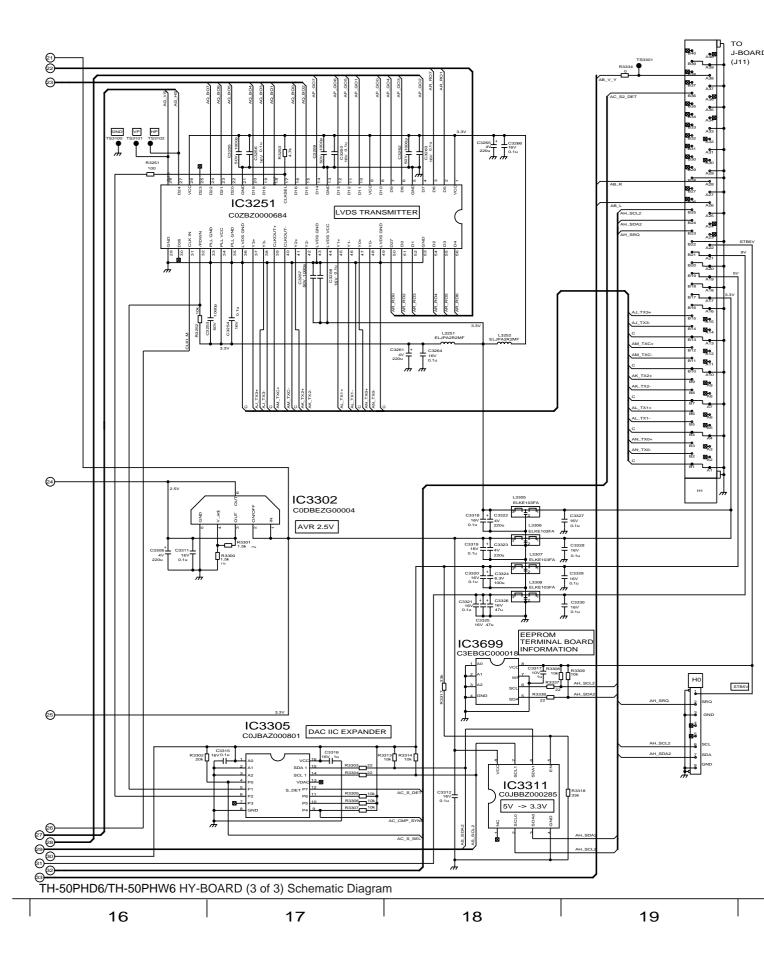
14.15. HY-Board (2 of 3) Schematic Diagram

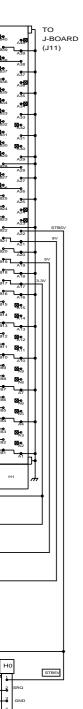




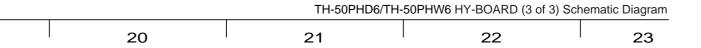


14.16. HY-Board (3 of 3) Schematic Diagram

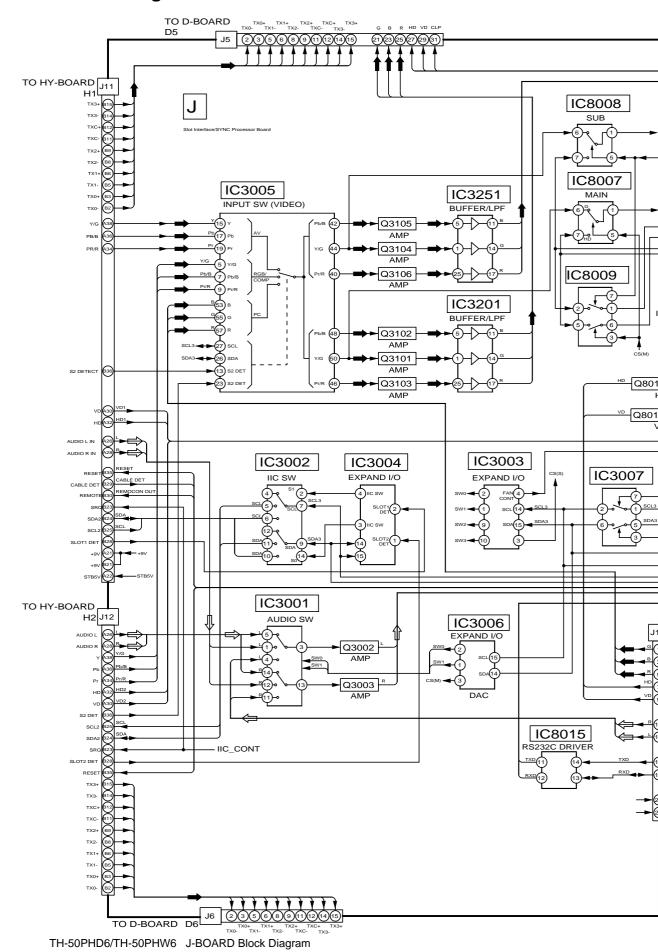




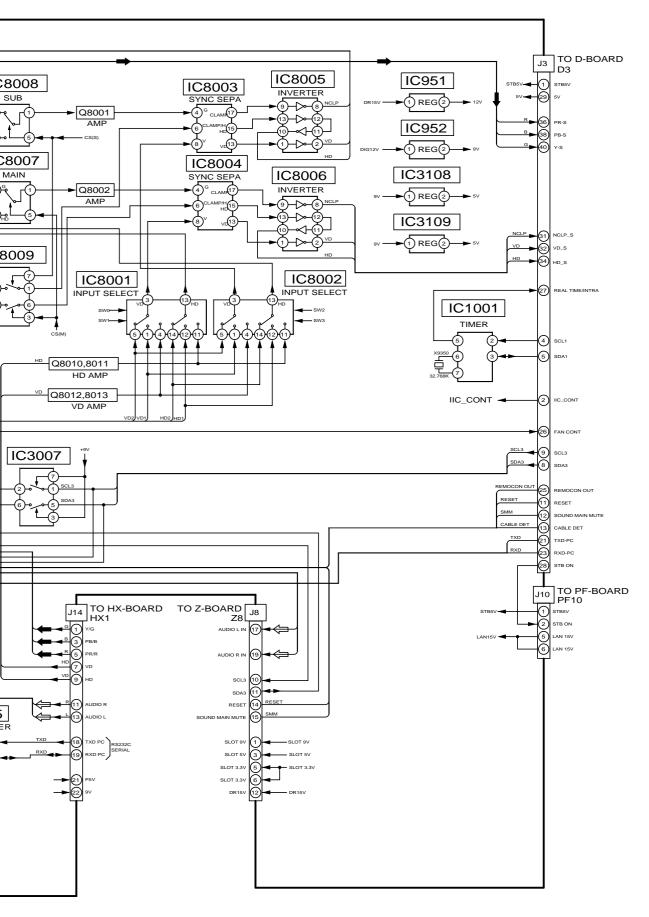
HY-BOARD TXNHY10QBS (3/3)



14.17. J-Board Block Diagram

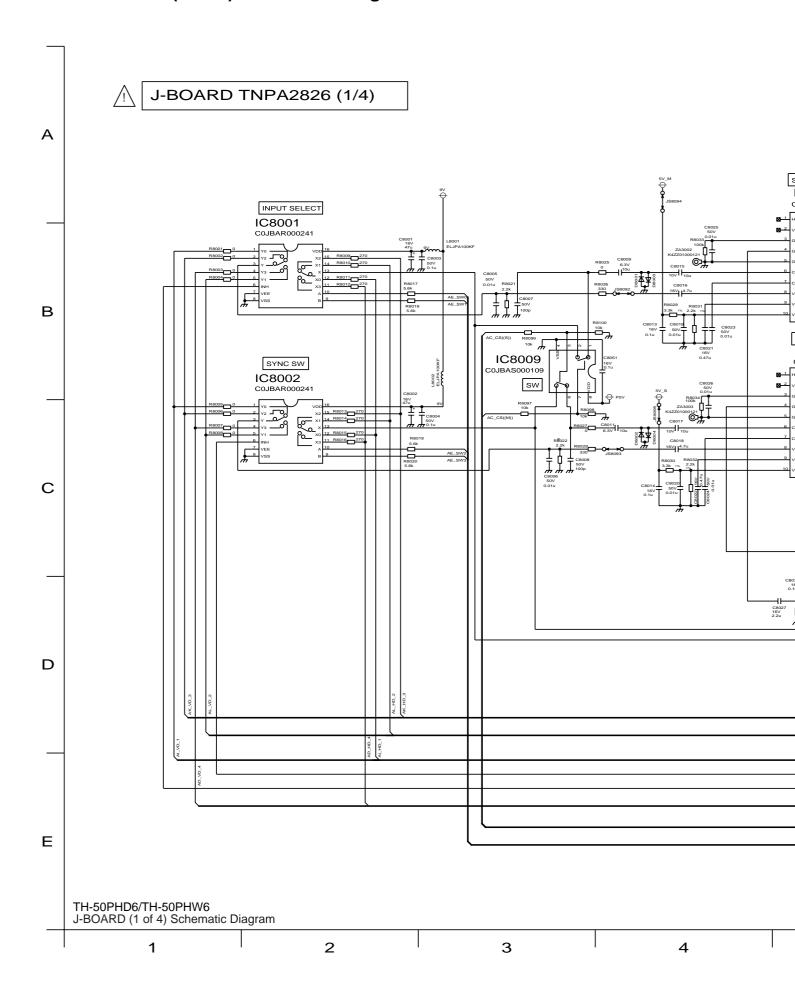


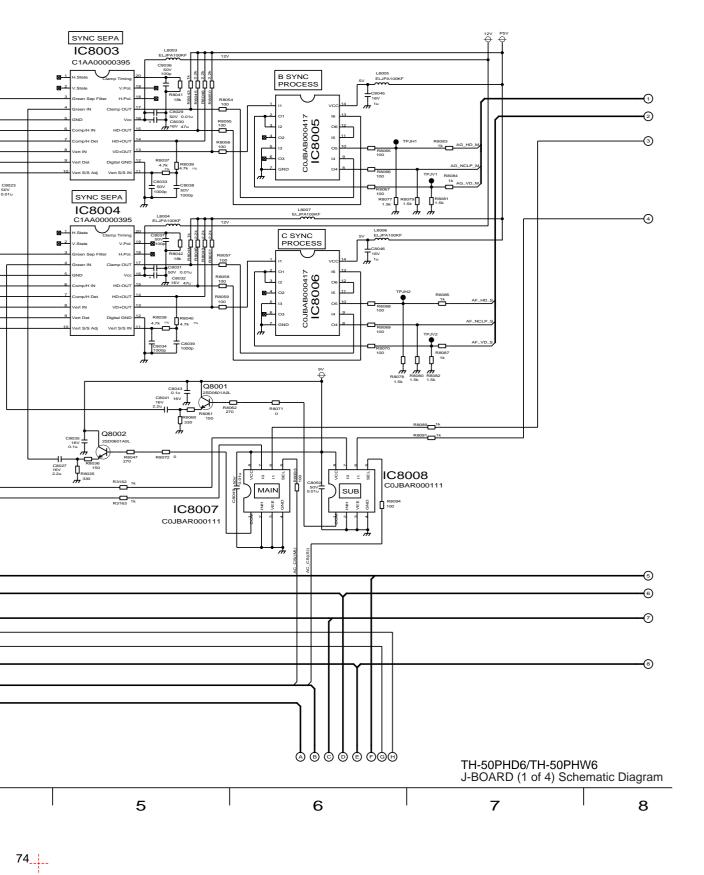




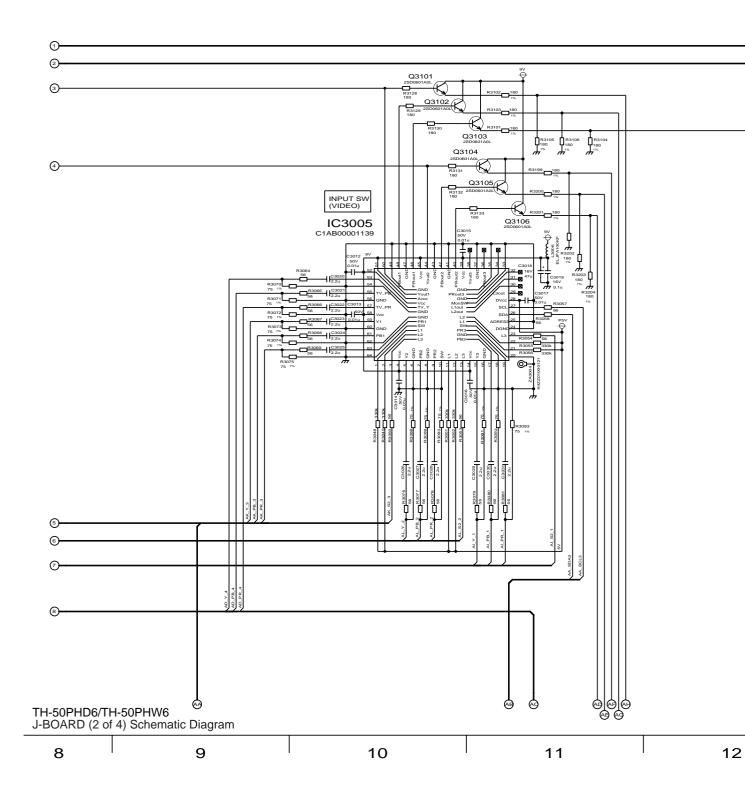
TH-50PHD6/TH-50PHW6 J-BOARD Block Diagram

14.18. J-Board (1 of 4) Schematic Diagram

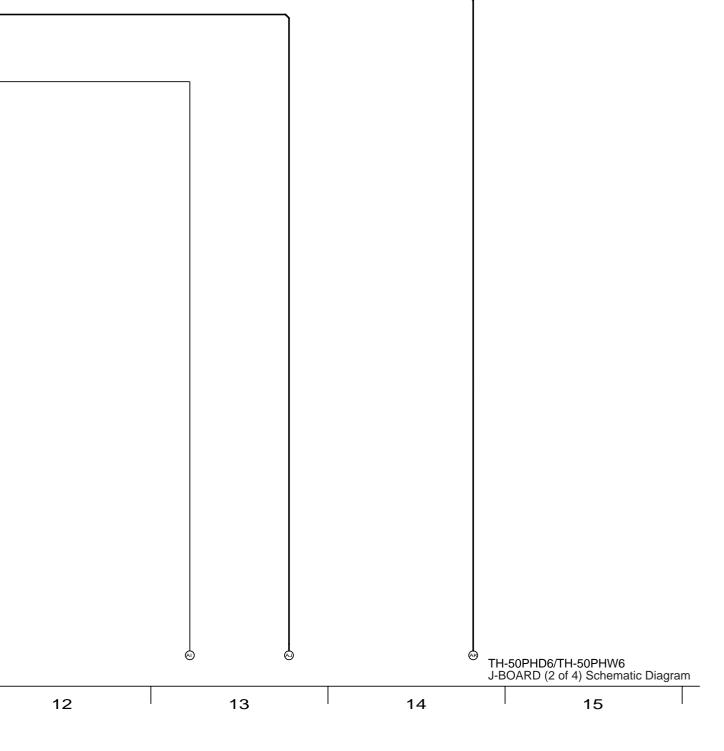




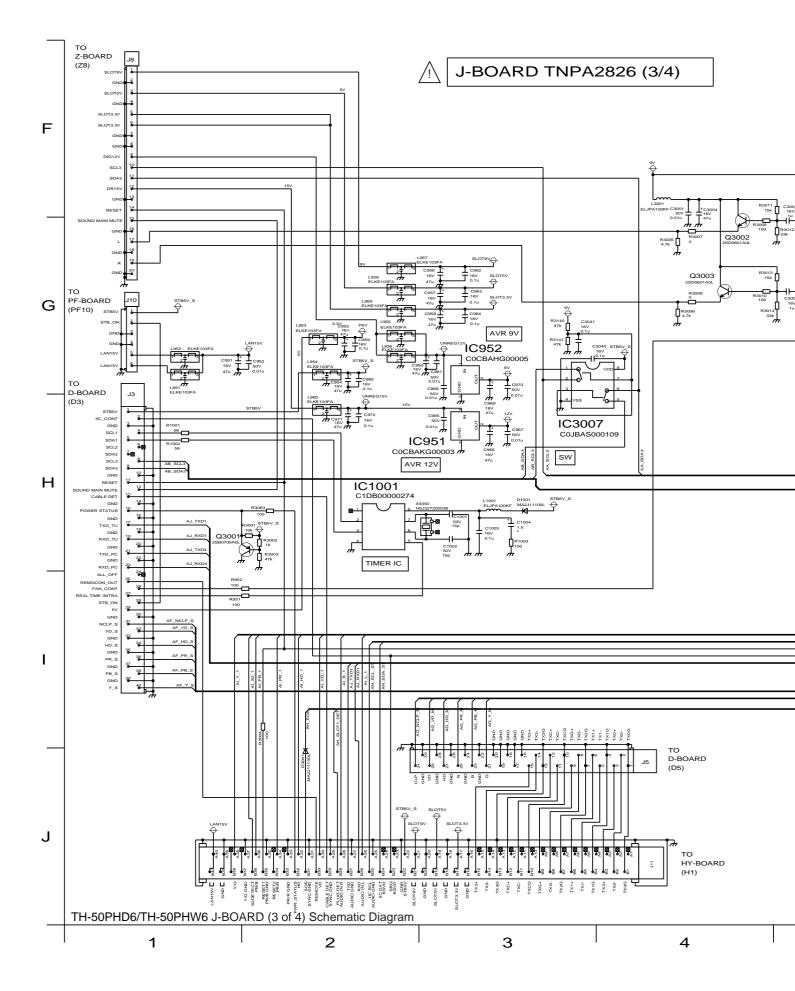
14.19. J-Board (2 of 4) Schematic Diagram

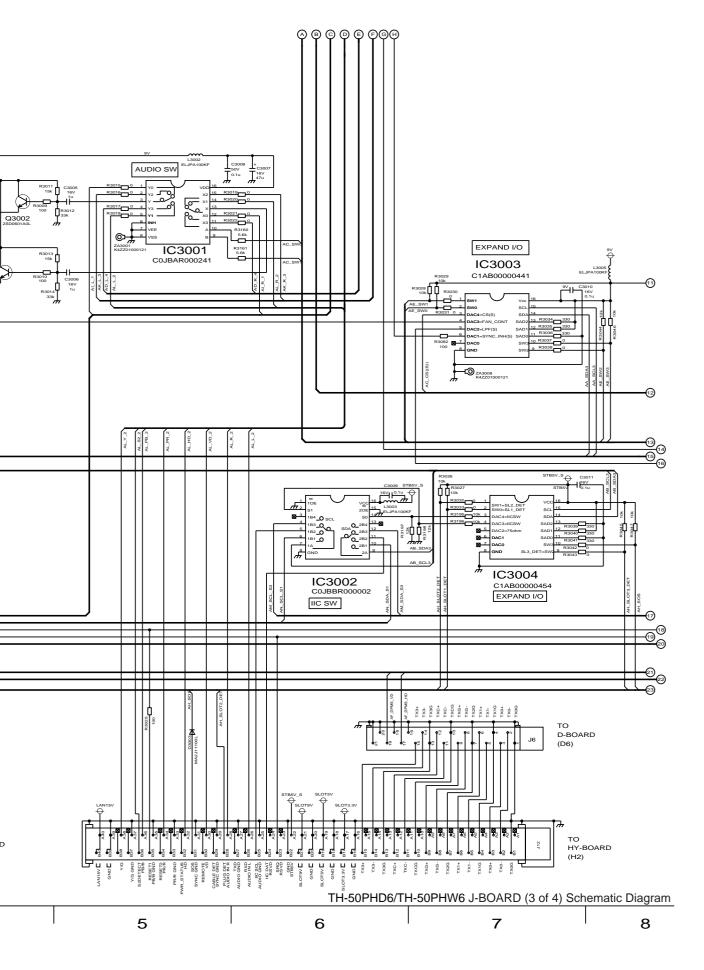




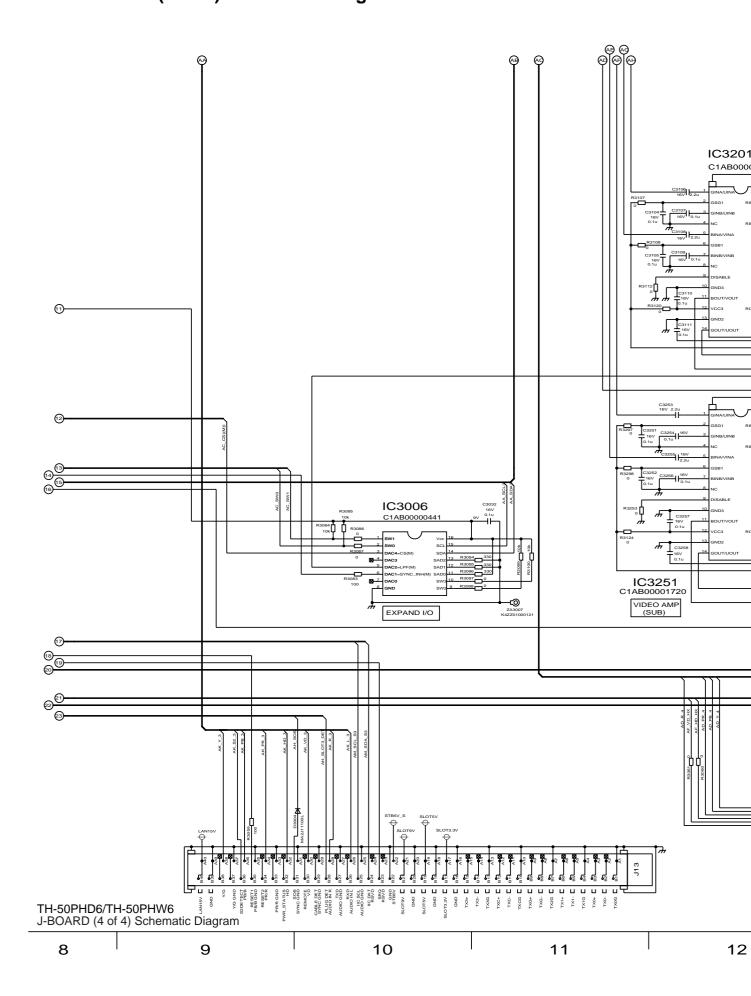


14.20. J-Board (3 of 4) Schematic Diagram

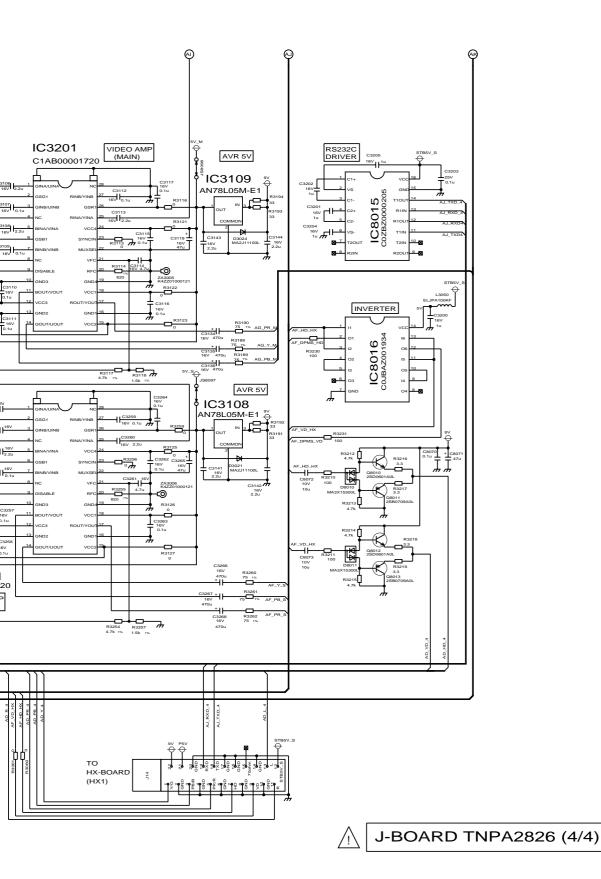




14.21. J-Board (4 of 4) Schematic Diagram

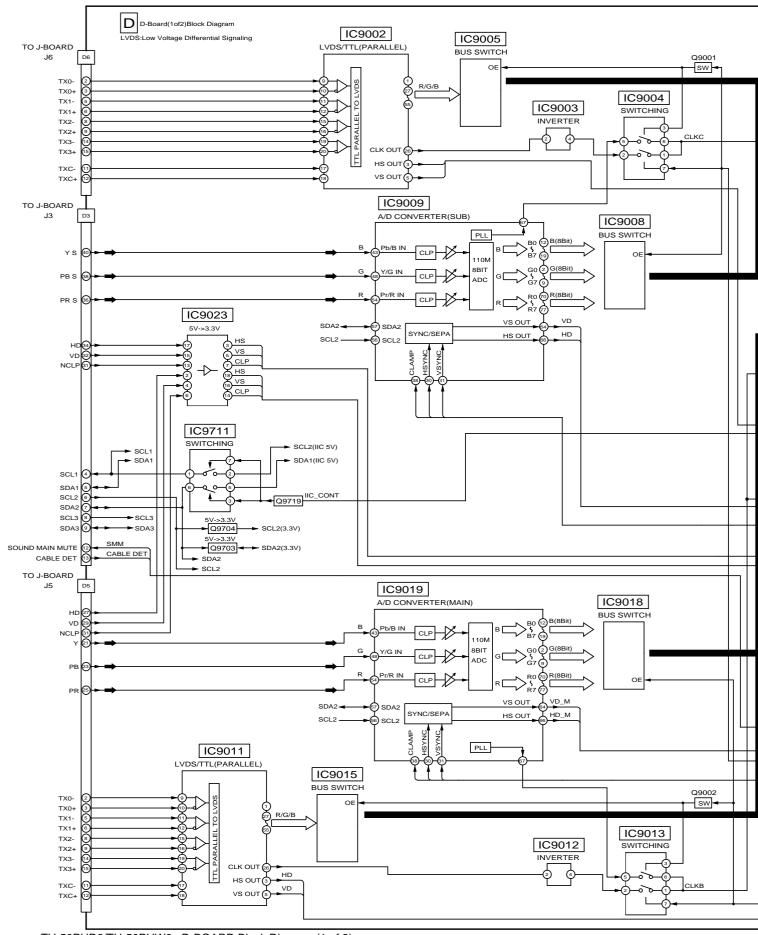




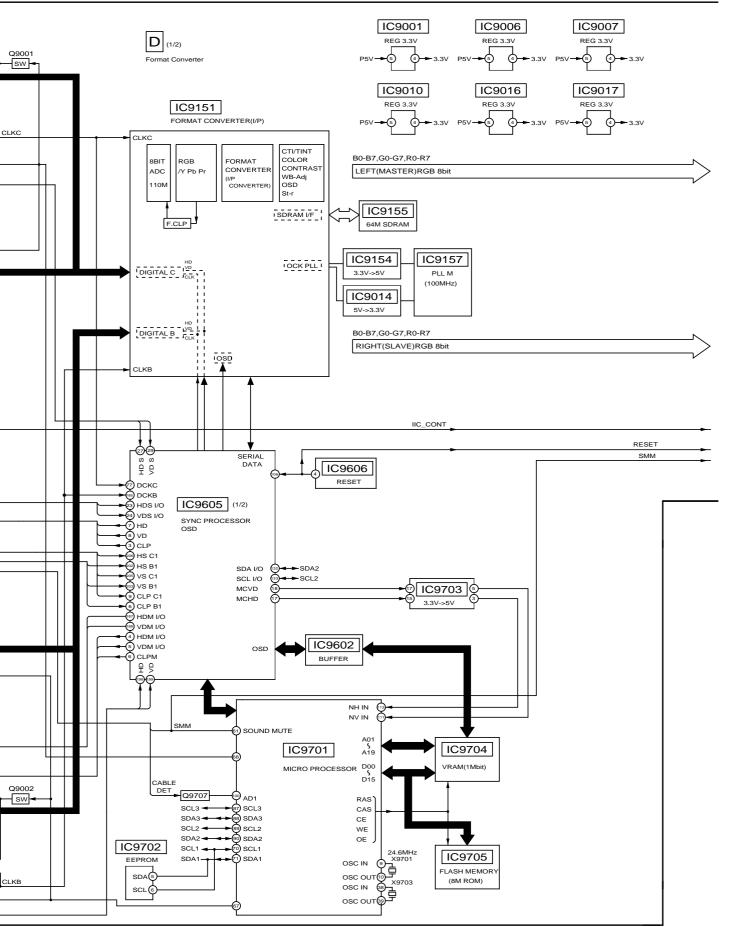


12 13 14 TH-50PHD6/TH-50PHW6
J-BOARD (4 of 4) Schematic Diagram

14.22. D-Board (1 of 2) Block Diagram

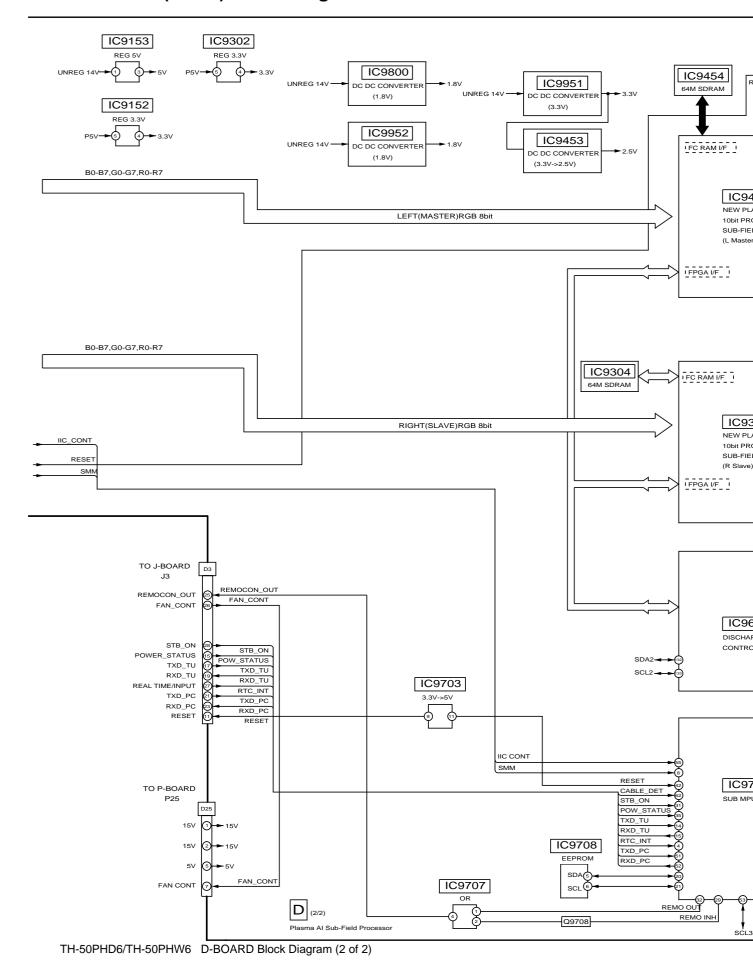


TH-50PHD6/TH-50PHW6 D-BOARD Block Diagram (1 of 2)

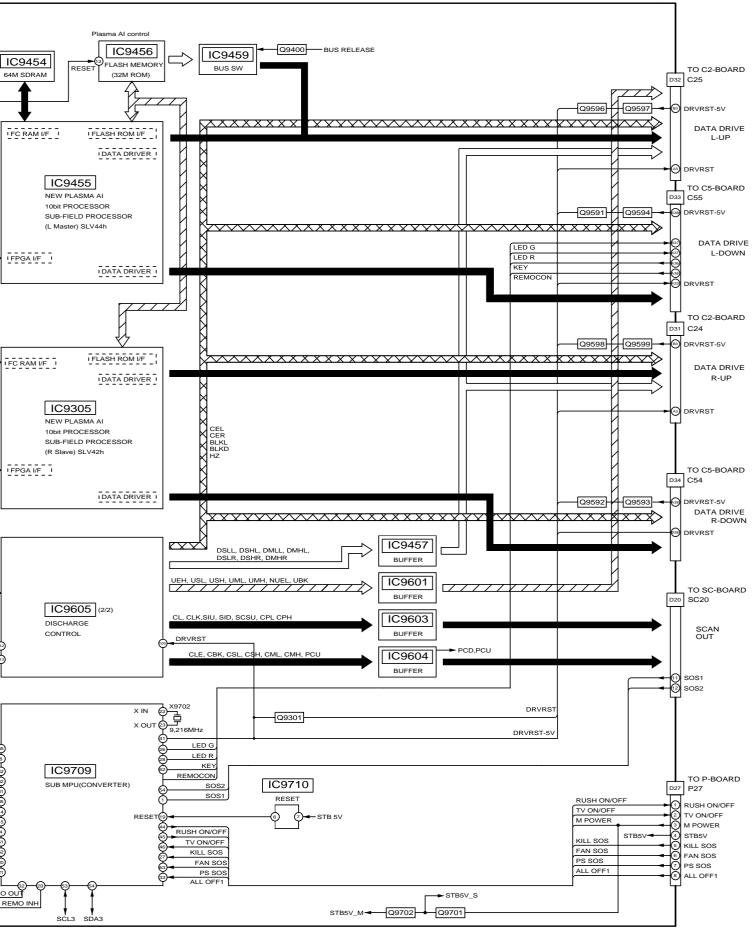


TH-50PHD6/TH-50PHW6 D-BOARD Block Diagram (1 of 2)

14.23. D-Board (2 of 2) Block Diagram

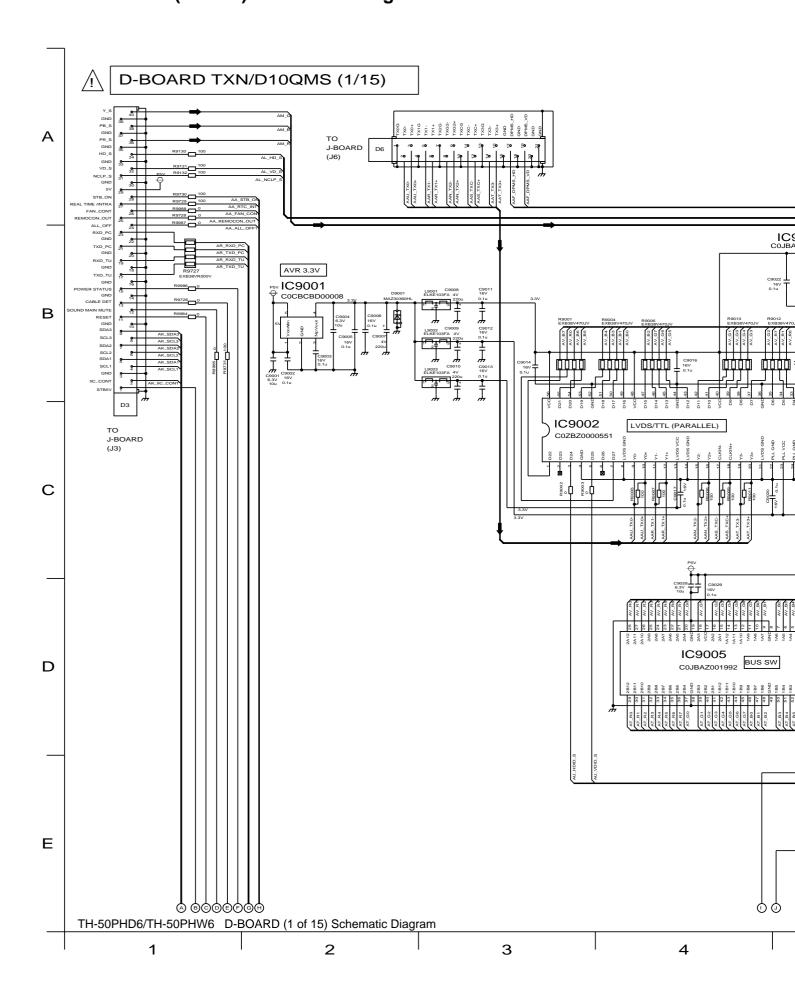




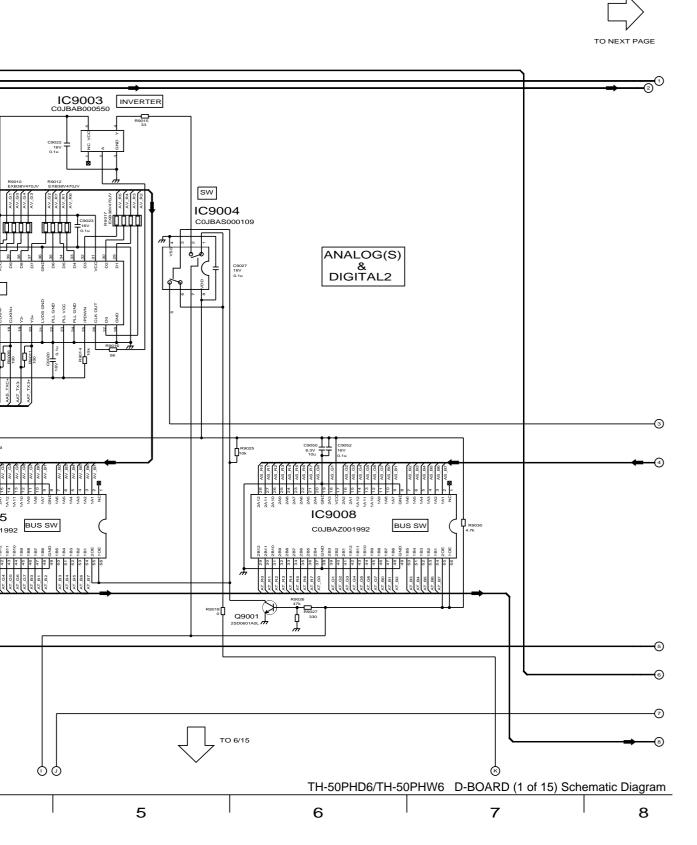


TH-50PHD6/TH-50PHW6 D-BOARD Block Diagram (2 of 2)

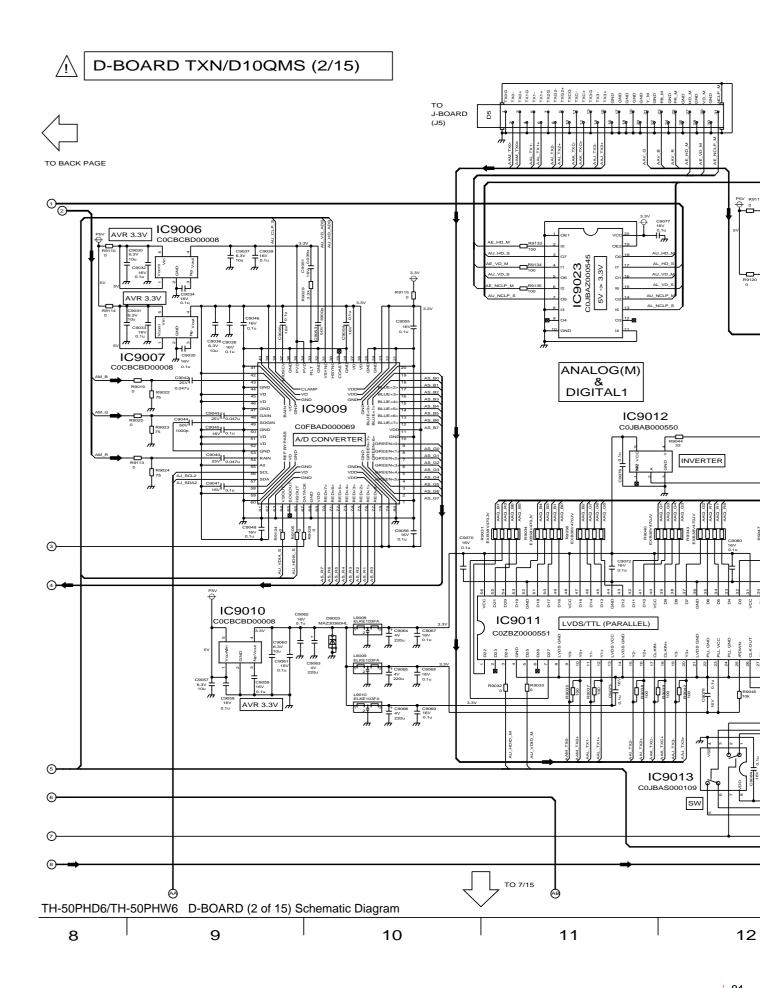
14.24. D-Board (1 of 15) Schematic Diagram



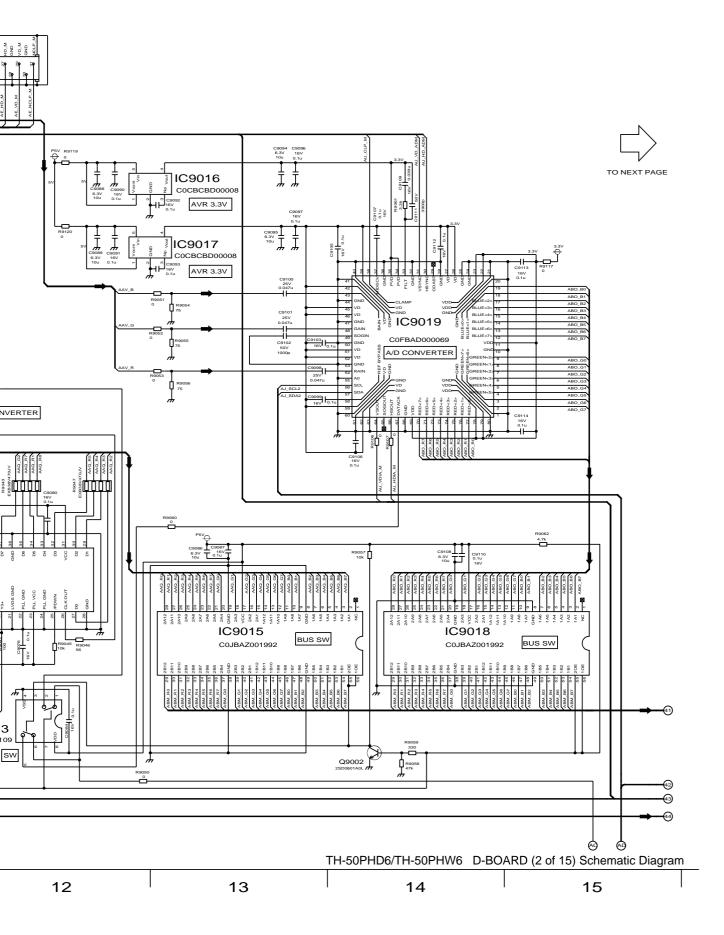




14.25. D-Board (2 of 15) Schematic Diagram

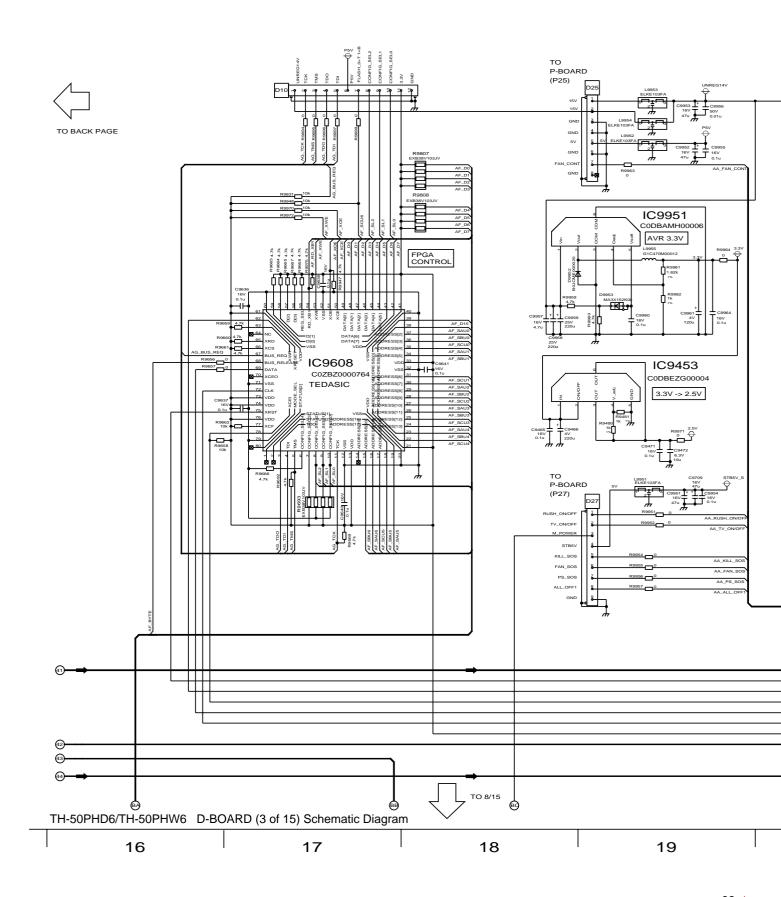




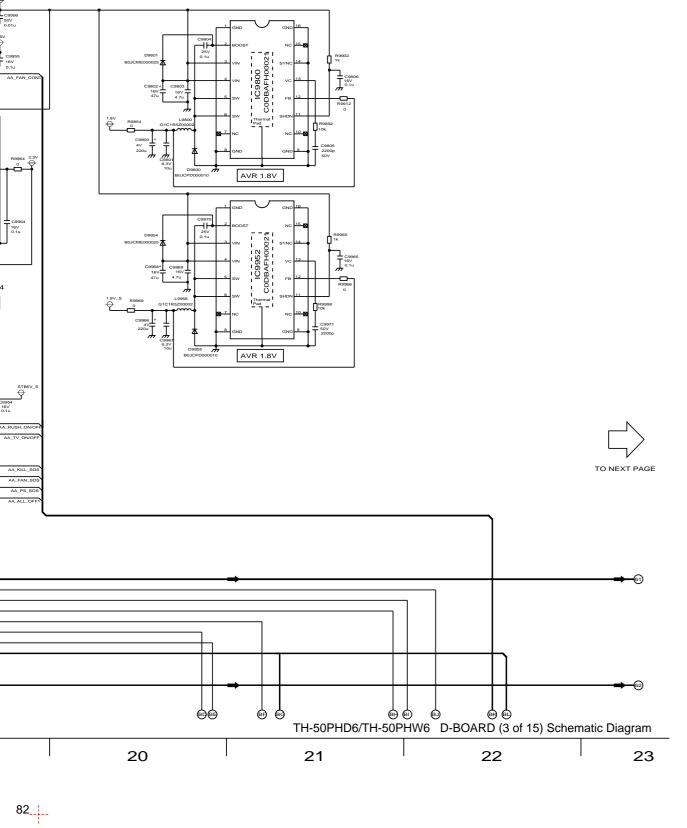


14.26. D-Board (3 of 15) Schematic Diagram

D-BOARD TXN/D10QMS (3/15)

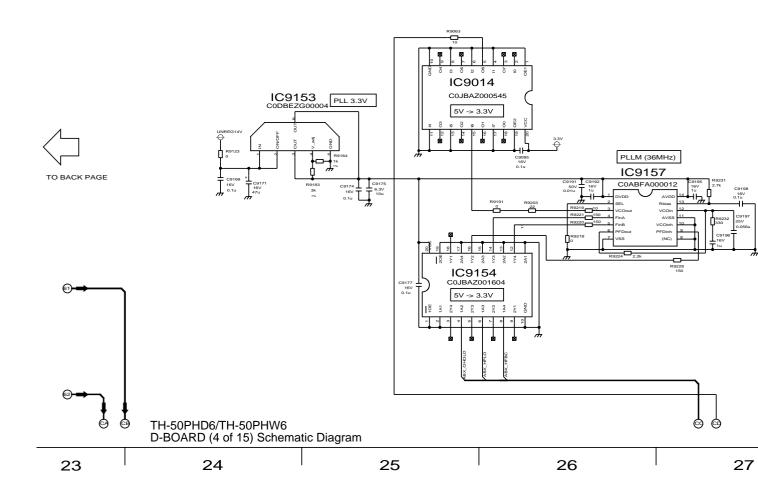




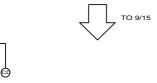


14.27. D-Board (4 of 15) Schematic Diagram

D-BOARD TXN/D10QMS (4/15)







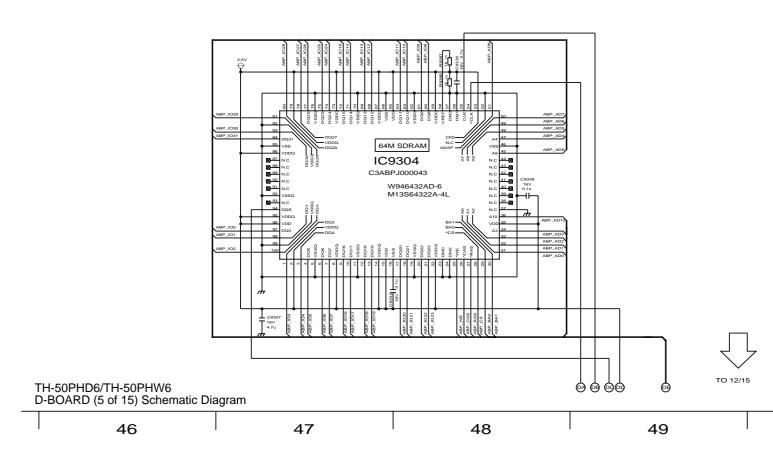
TH-50PHD6/TH-50PHW6 D-BOARD (4 of 15) Schematic Diagram

27 28 29 30



14.28. D-Board (5 of 15) Schematic Diagram

D-BOARD TXN/D10QMS (5/15)



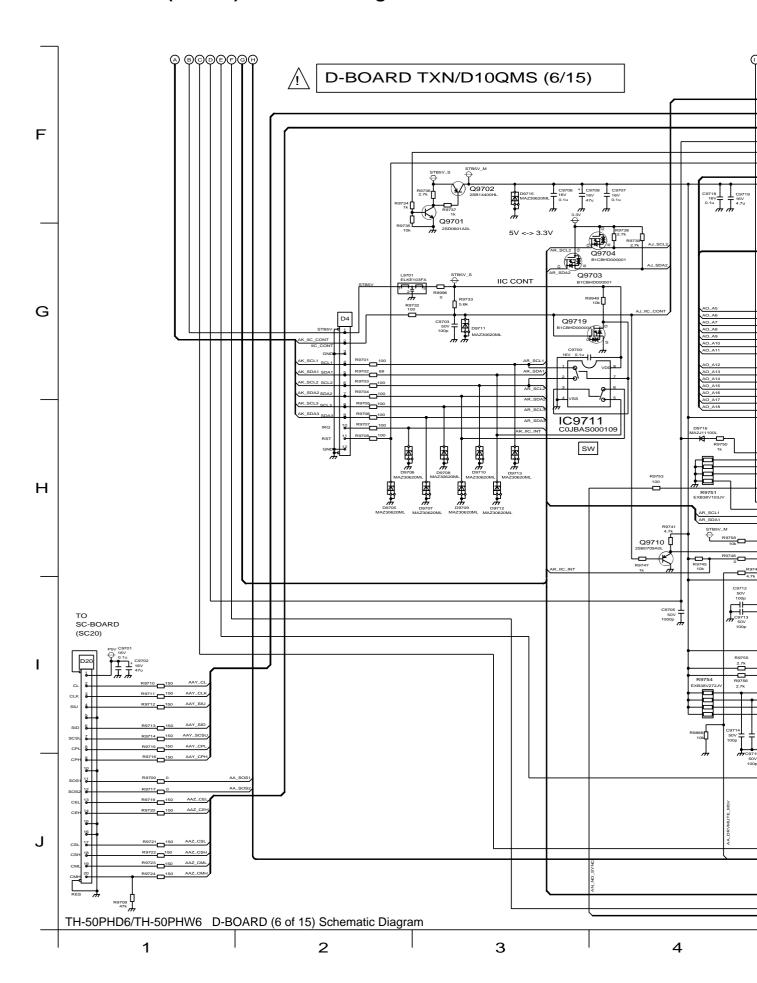


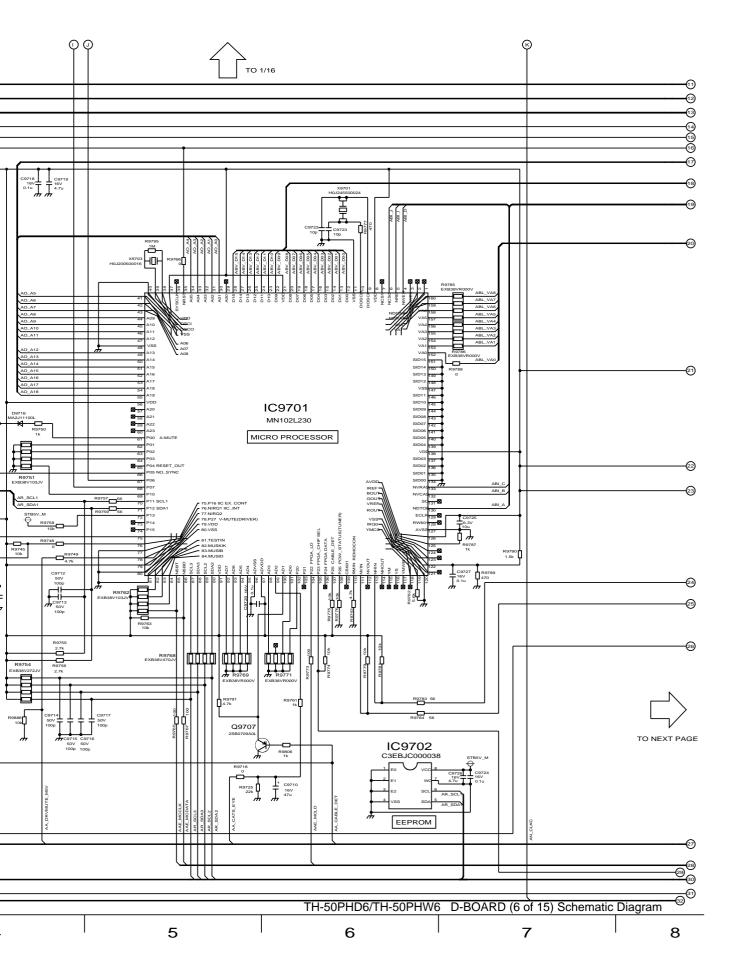


TH-50PHD6/TH-50PHW6 D-BOARD (5 of 15) Schematic Diagram

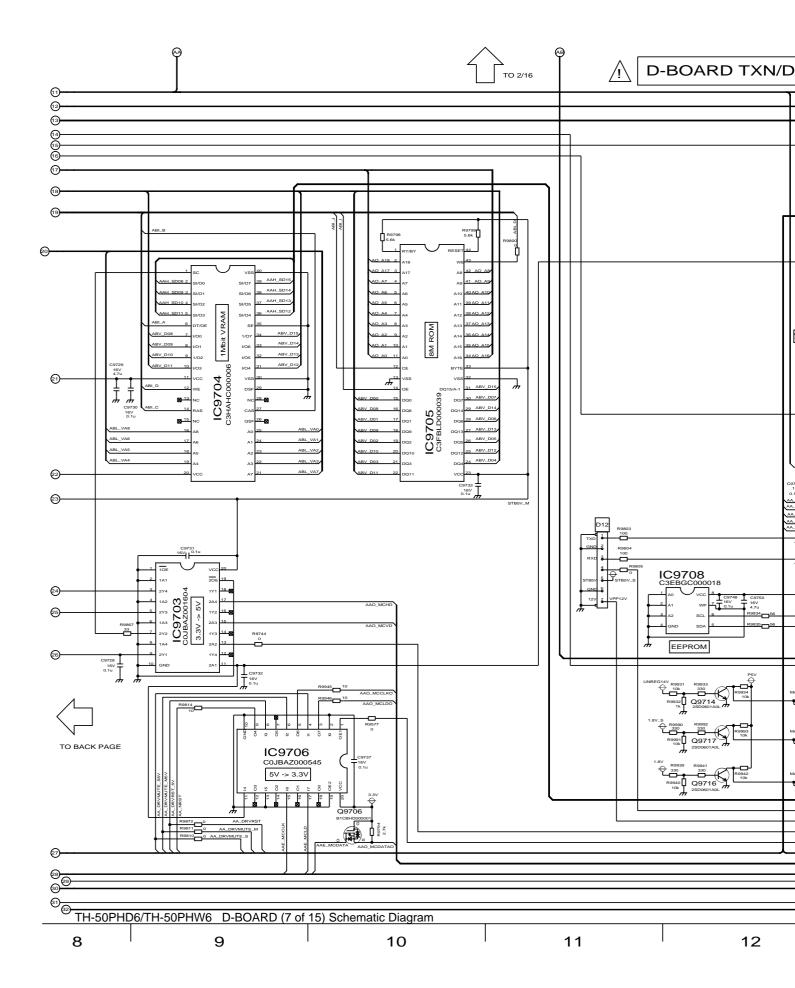
50 51 52 53

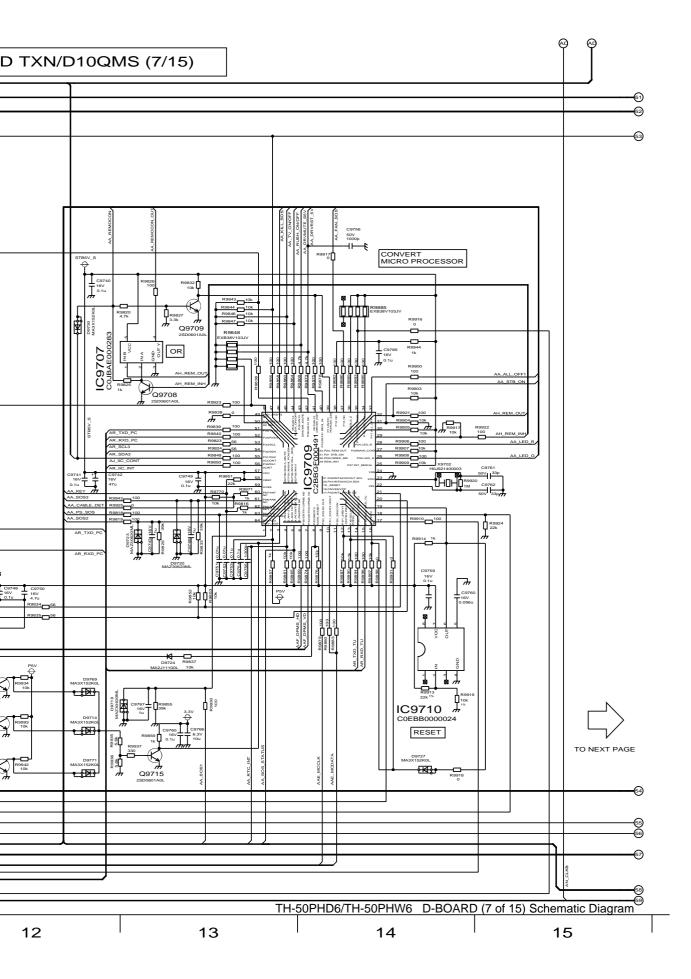
14.29. D-Board (6 of 15) Schematic Diagram



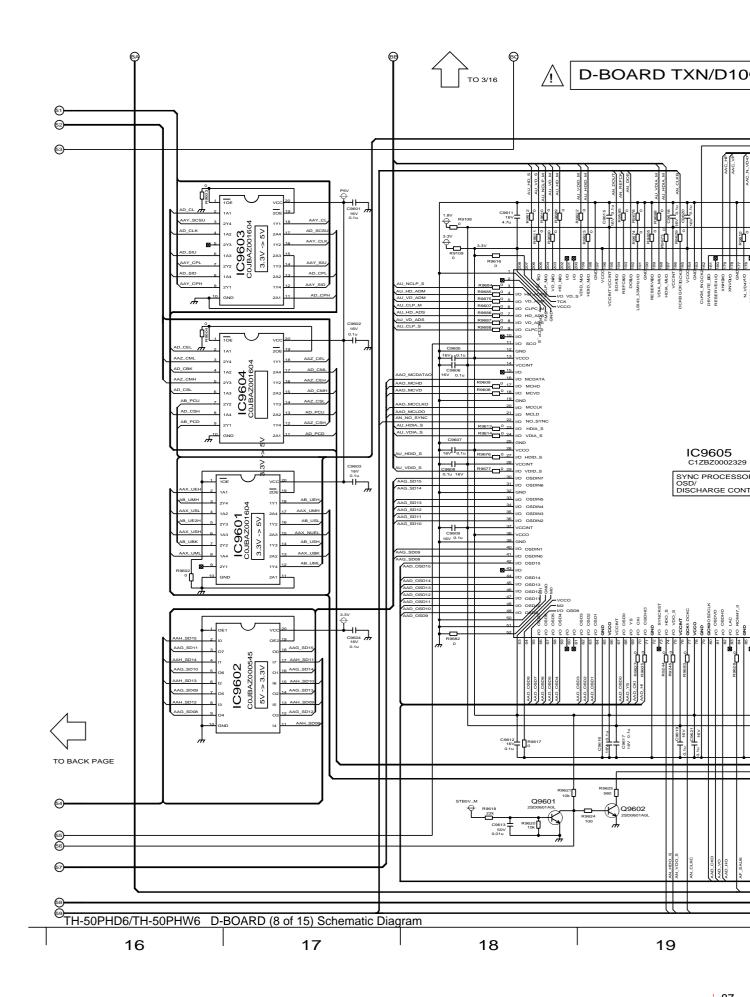


14.30. D-Board (7 of 15) Schematic Diagram

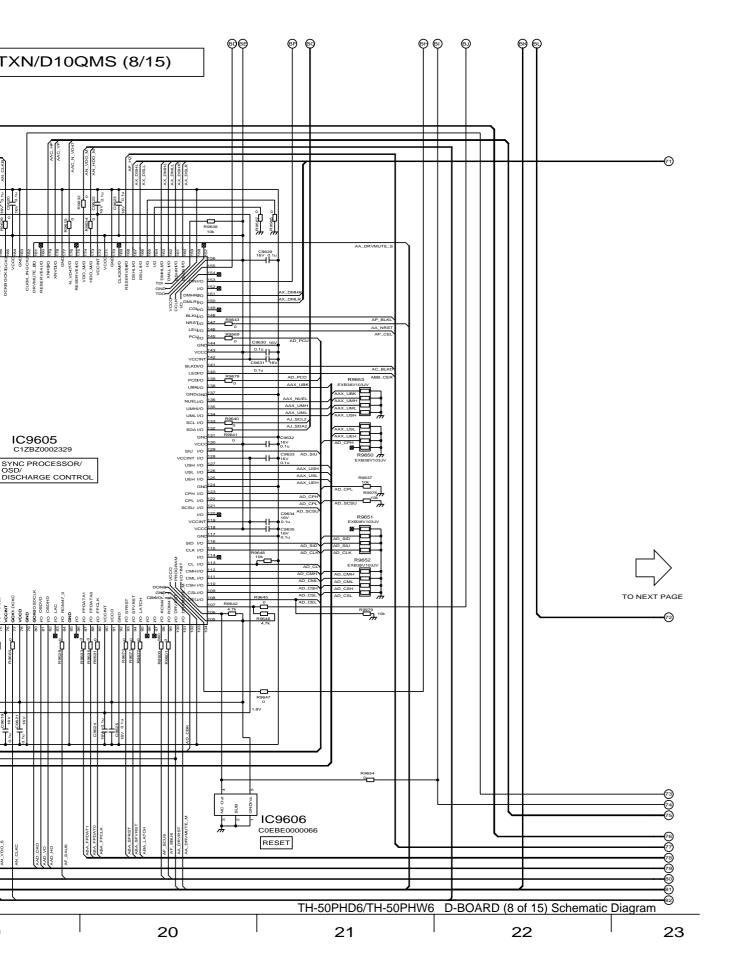




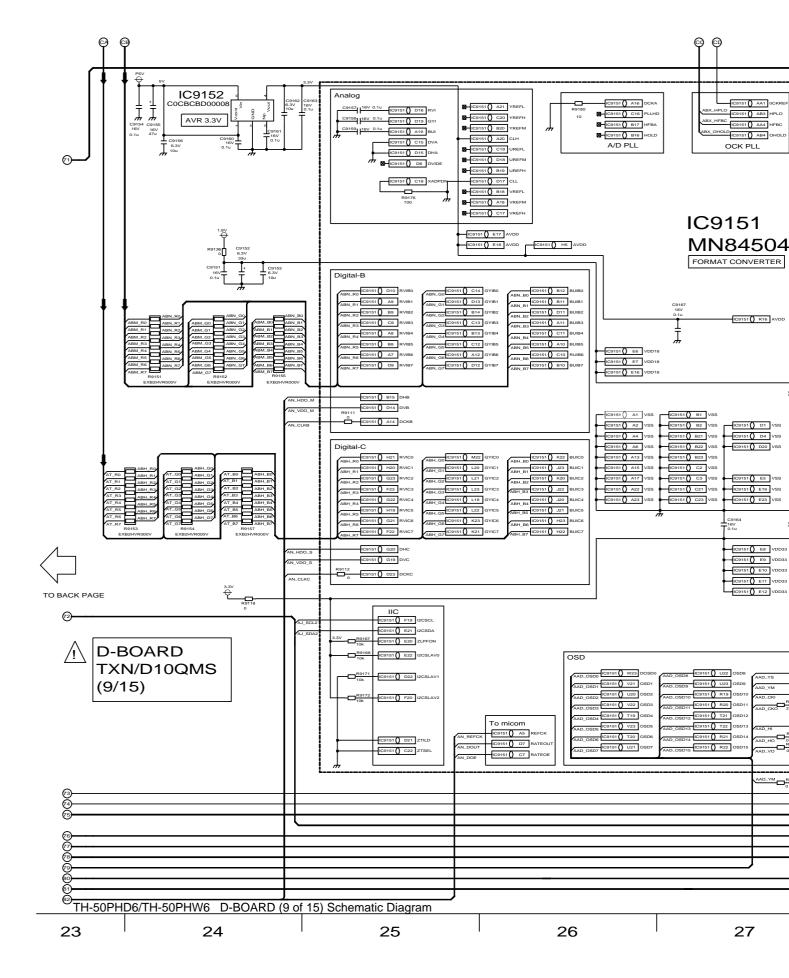
14.31. D-Board (8 of 15) Schematic Diagram



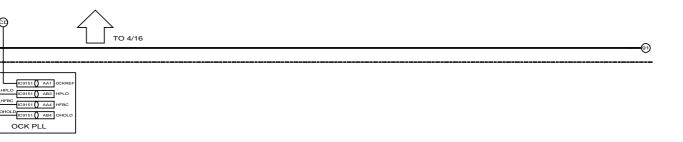




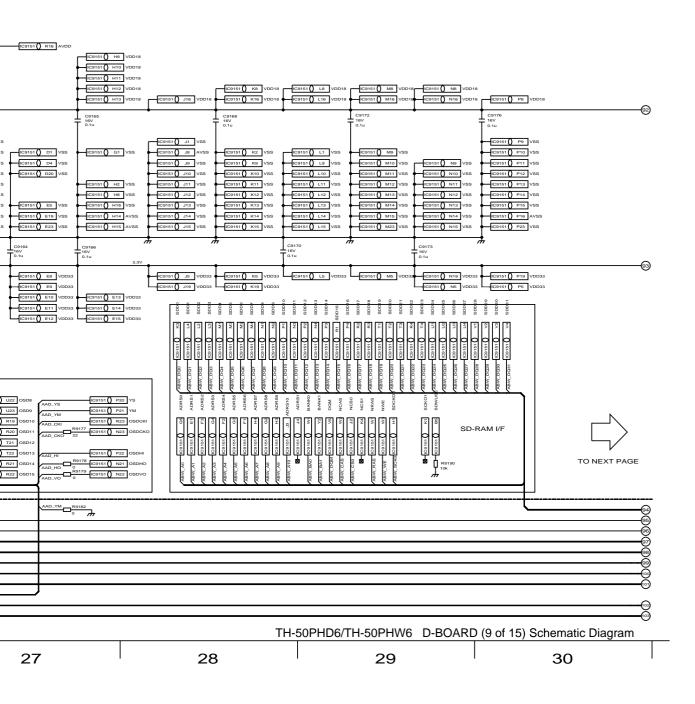
14.32. D-Board (9 of 15) Schematic Diagram



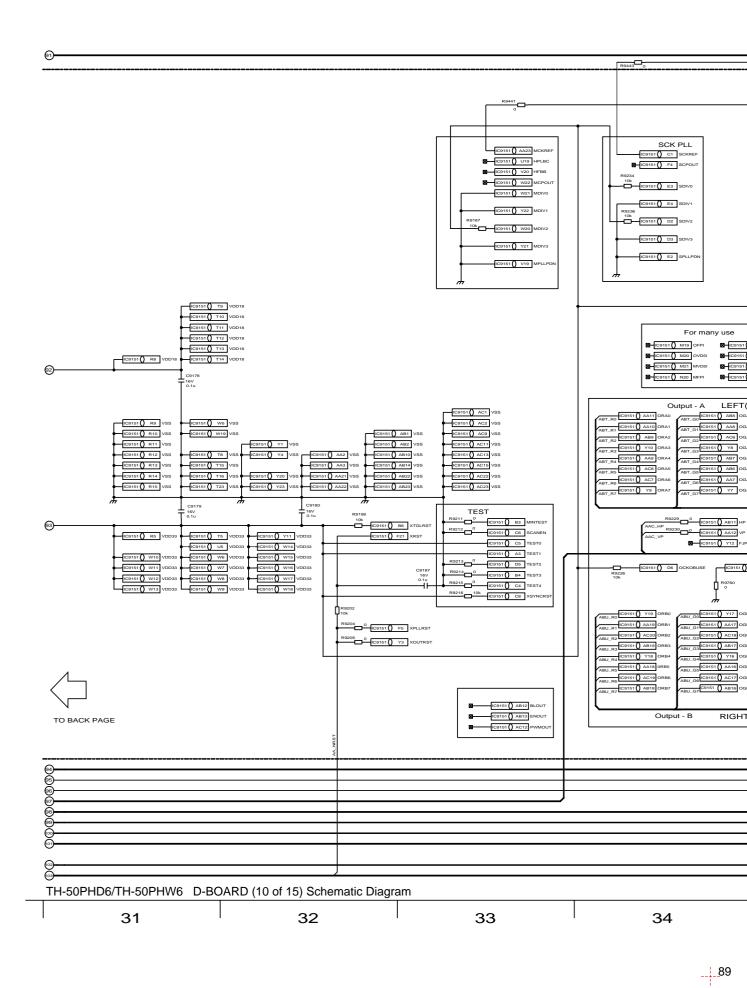


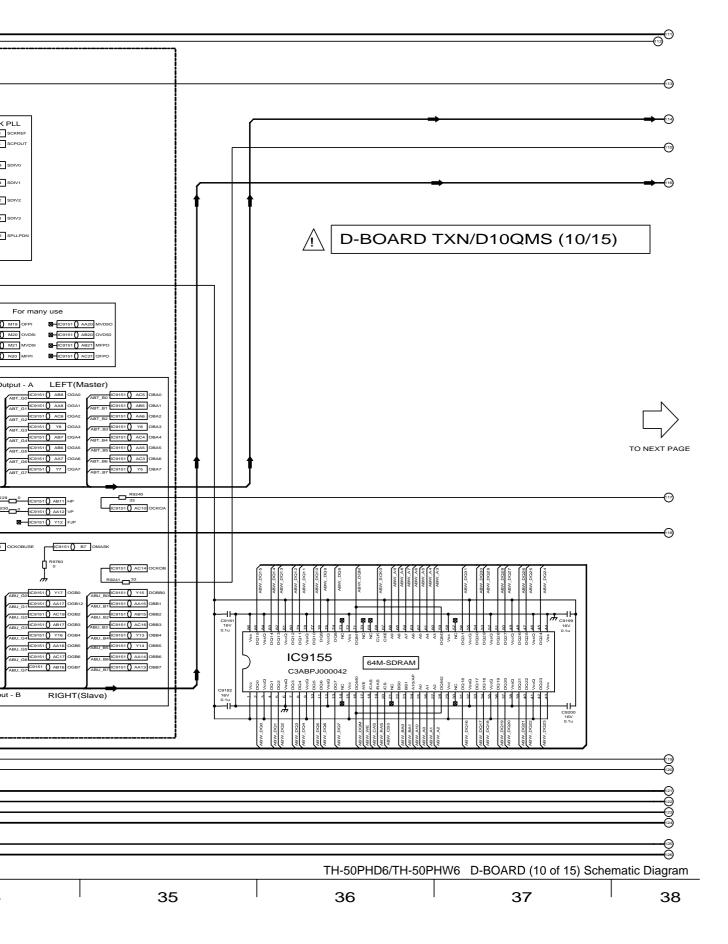


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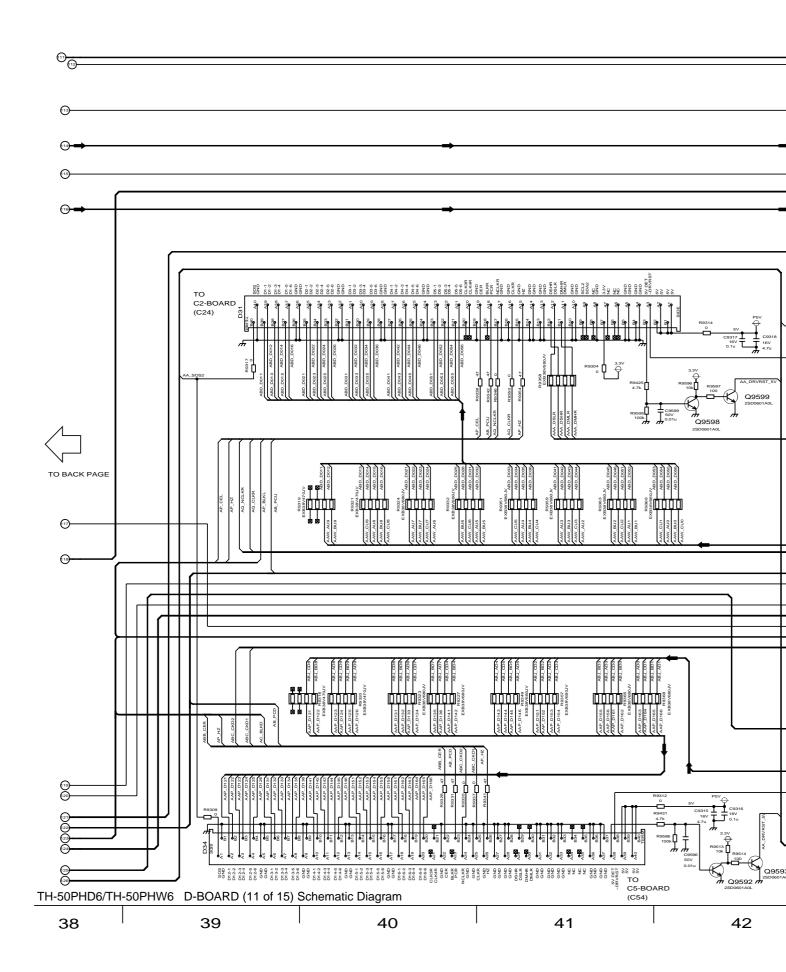


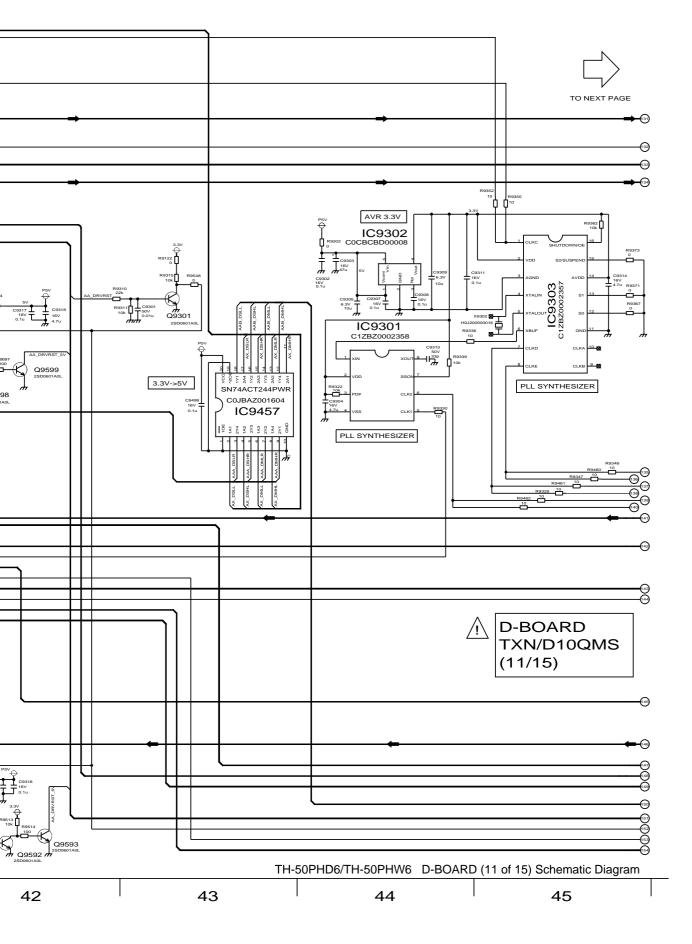
14.33. D-Board (10 of 15) Schematic Diagram



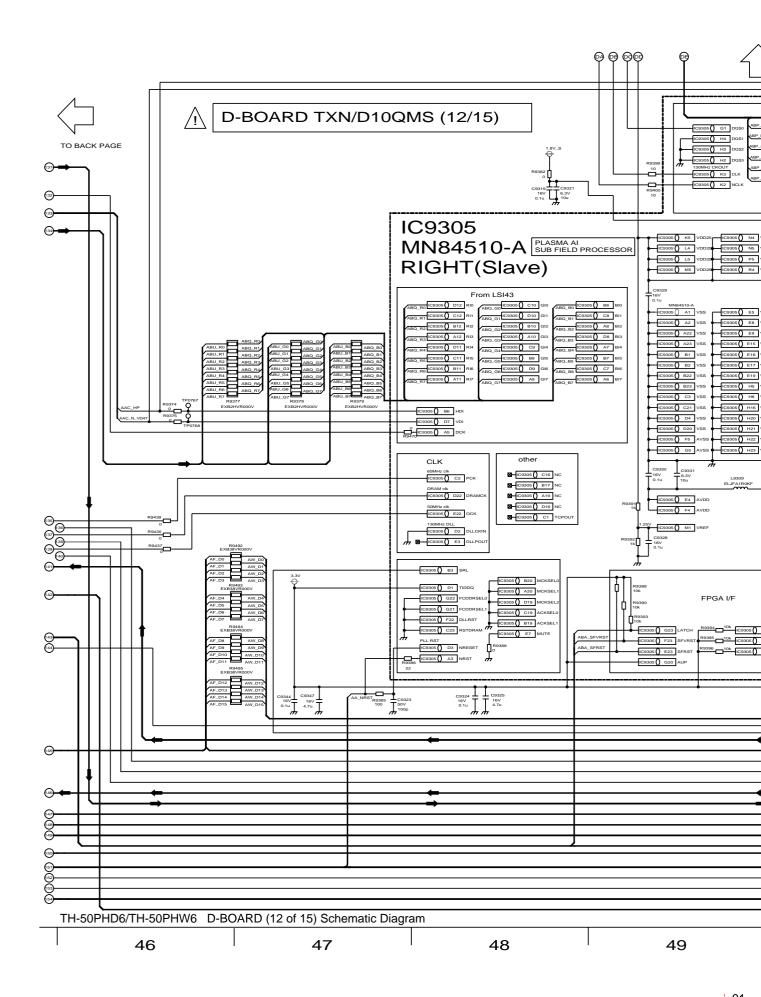


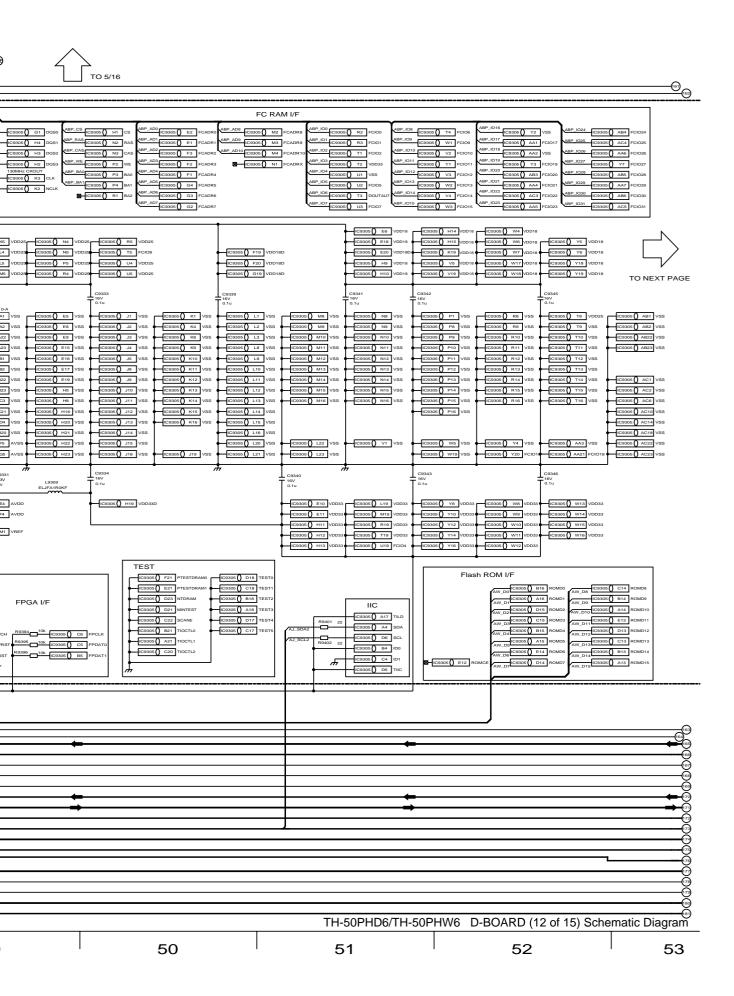
14.34. D-Board (11 of 15) Schematic Diagram



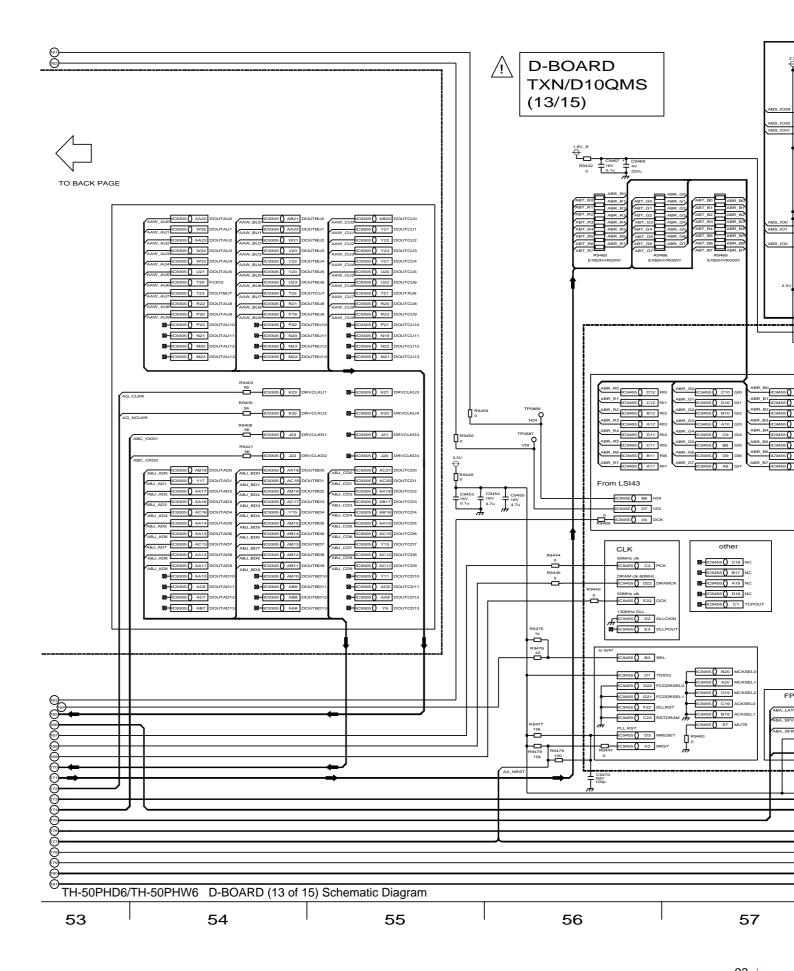


14.35. D-Board (12 of 15) Schematic Diagram

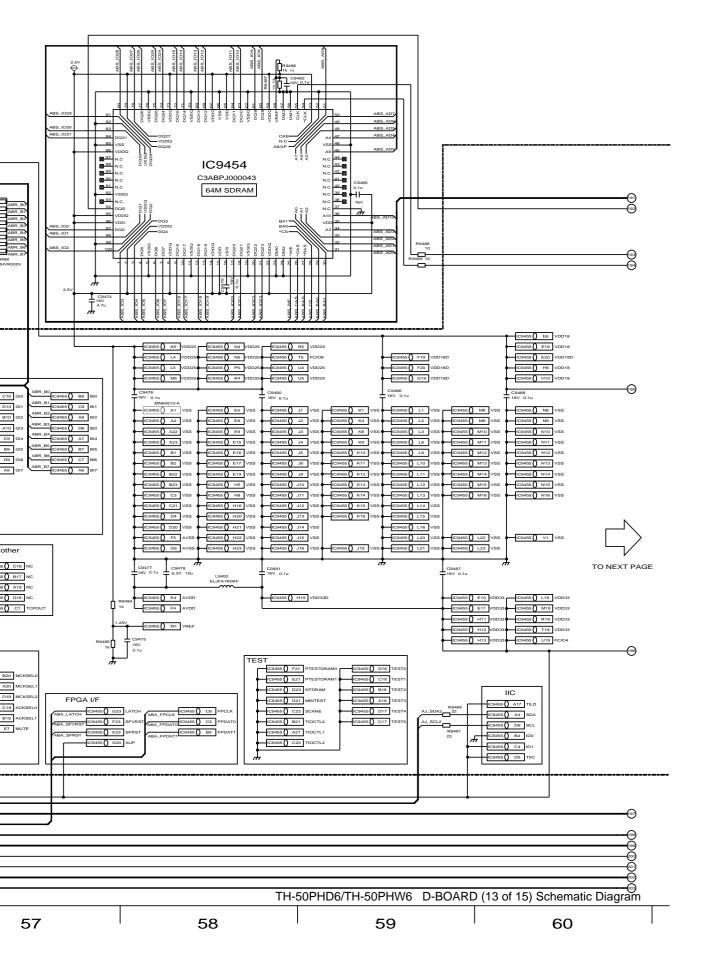




14.36. D-Board (13 of 15) Schematic Diagram

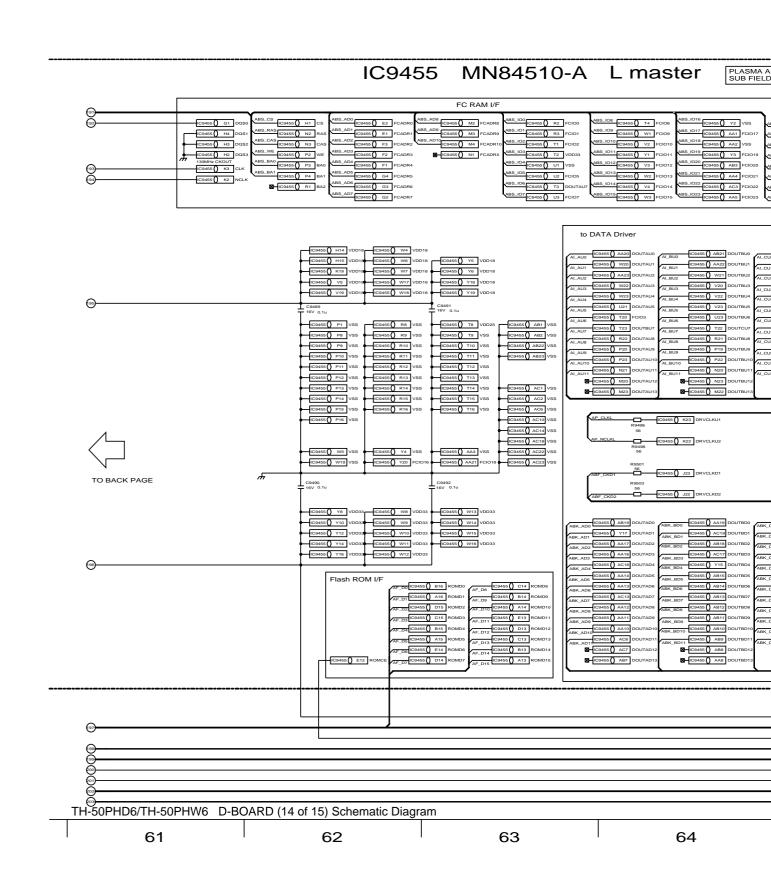


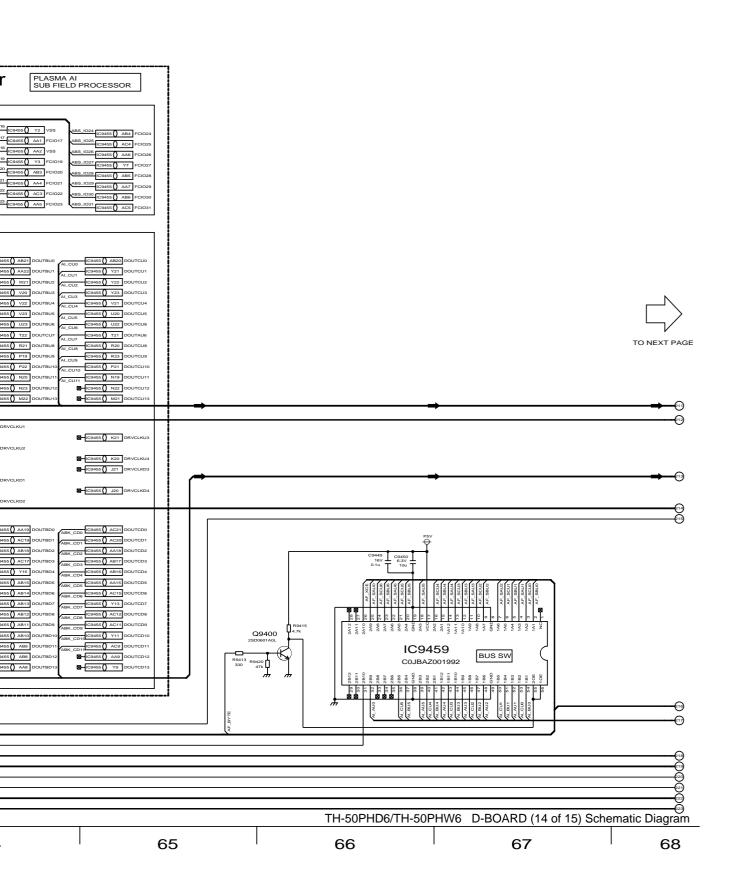




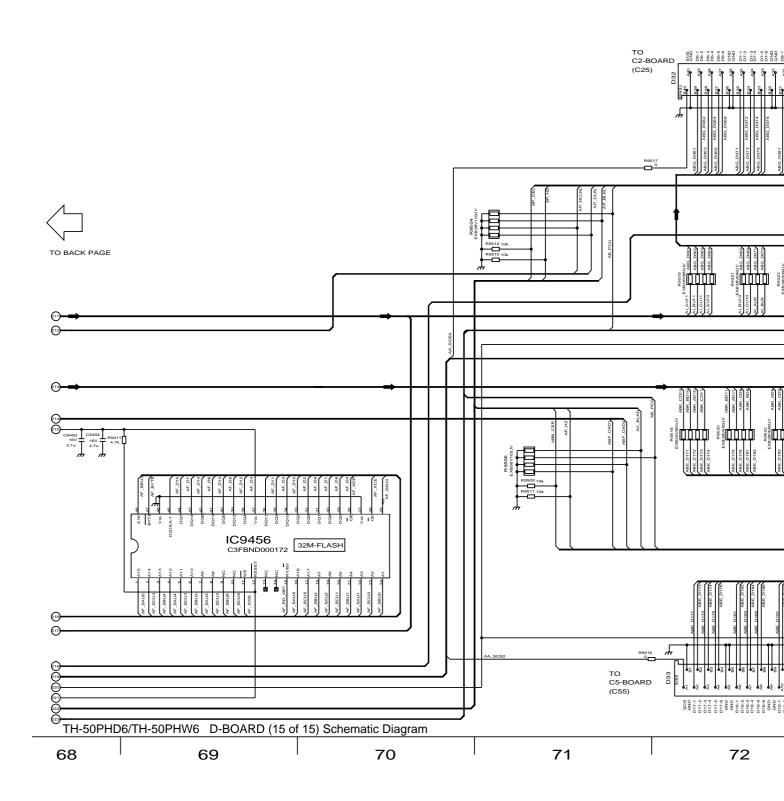
14.37. D-Board (14 of 15) Schematic Diagram

D-BOARD TXN/D10QMS (14/15)

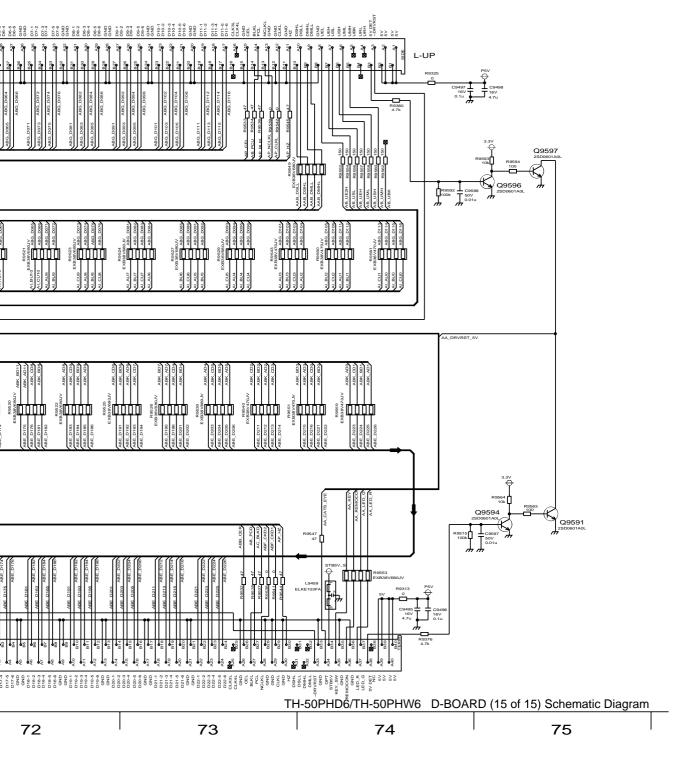




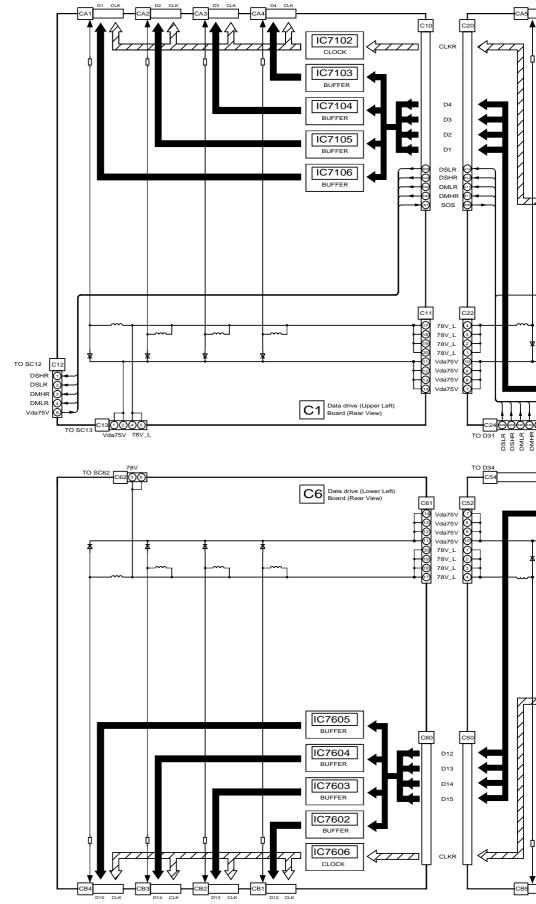
14.38. D-Board (15 of 15) Schematic Diagram





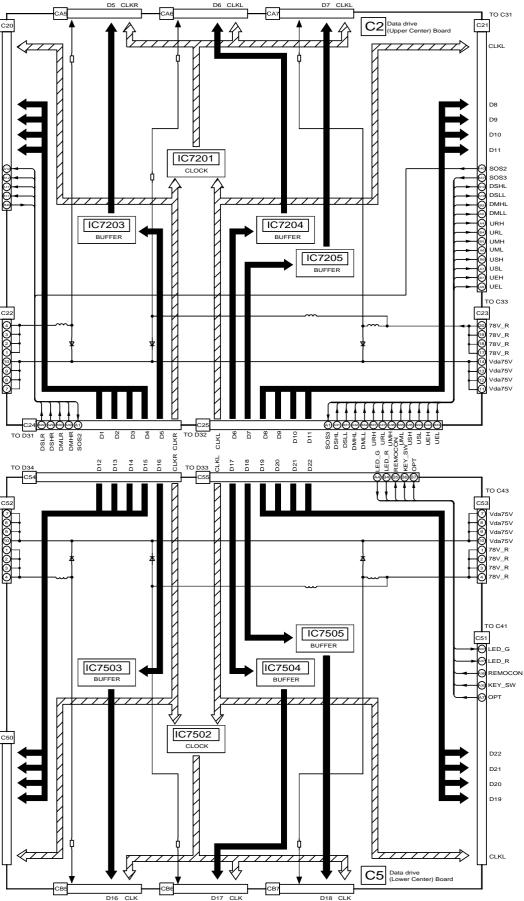


14.39. C1, C2, C3, C4, C5, C6 and V1-Board Block Diagram (1 of 2)



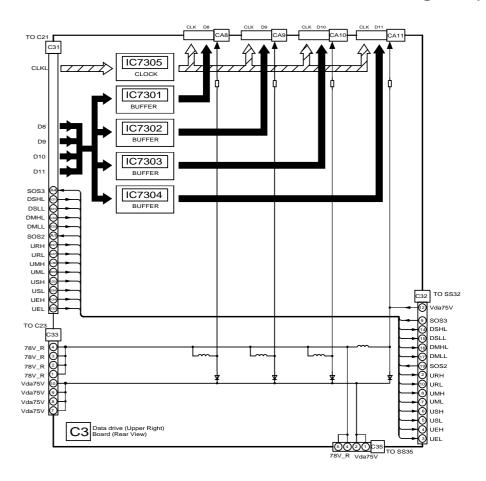
TH-50PHD6/TH-50PHW6 C1, C2, C3, C4, C5, C6 and V1-BOARD Block Diagram (1 of 2)

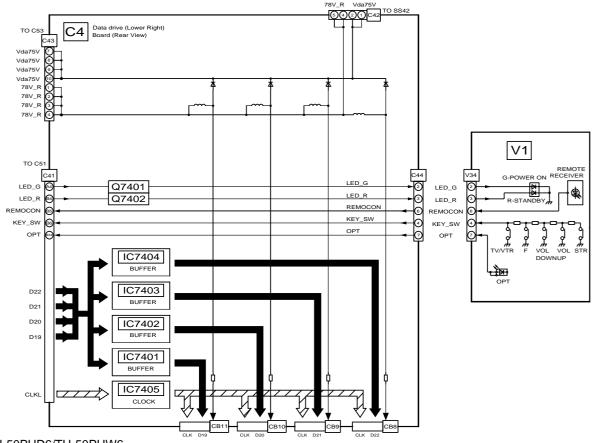




TH-50PHD6/TH-50PHW6 C1, C2, C3, C4, C5, C6 and V1-BOARD Block Diagram (1 of 2)

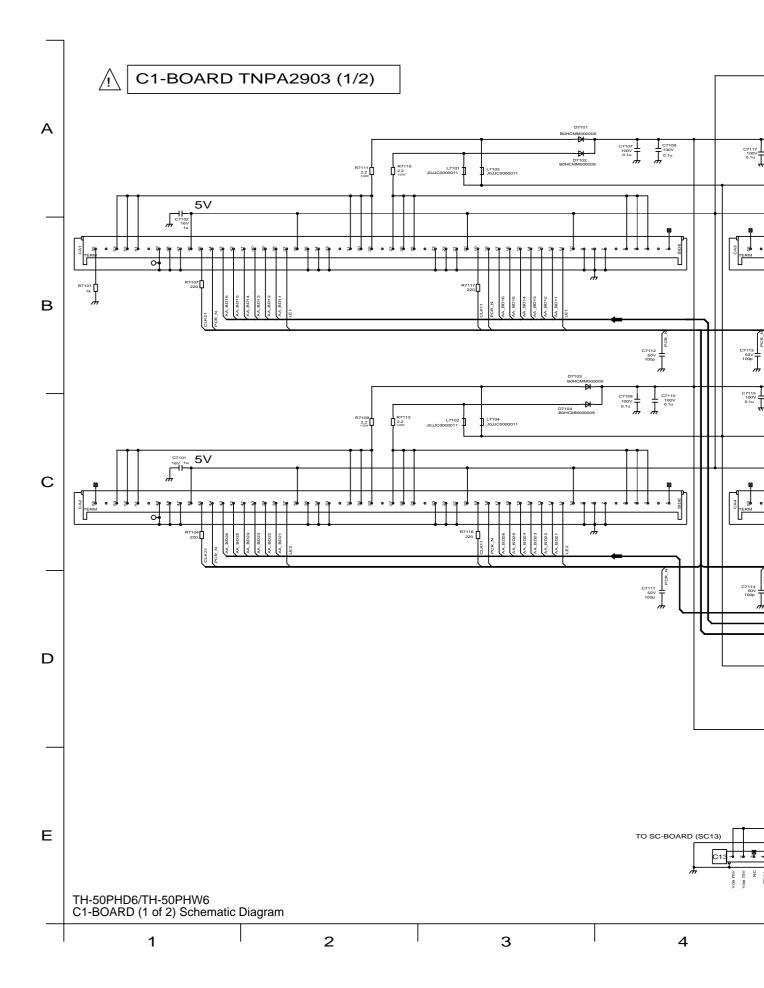
14.40. C1, C2, C3, C4, C5, C6 and V1-Board Block Diagram (2 of 2)



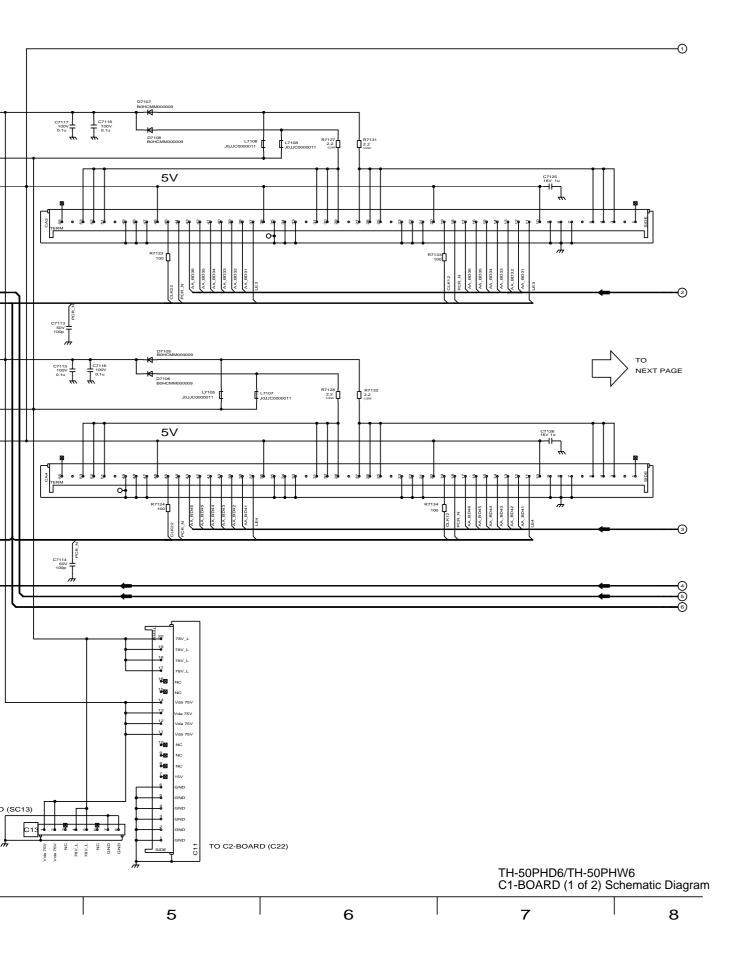


TH-50PHD6/TH-50PHW6 C1, C2, C3, C4, C5, C6 and V1-BOARD Block Diagram (2 of 2)

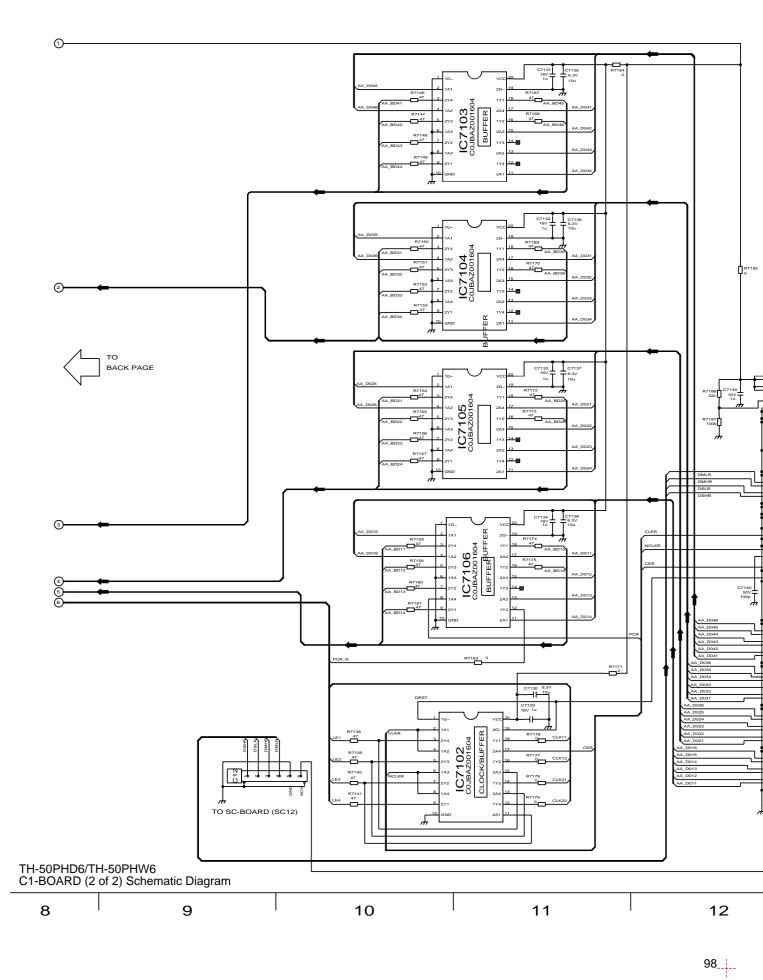
14.41. C1-Board (1 of 2) Schematic Diagram



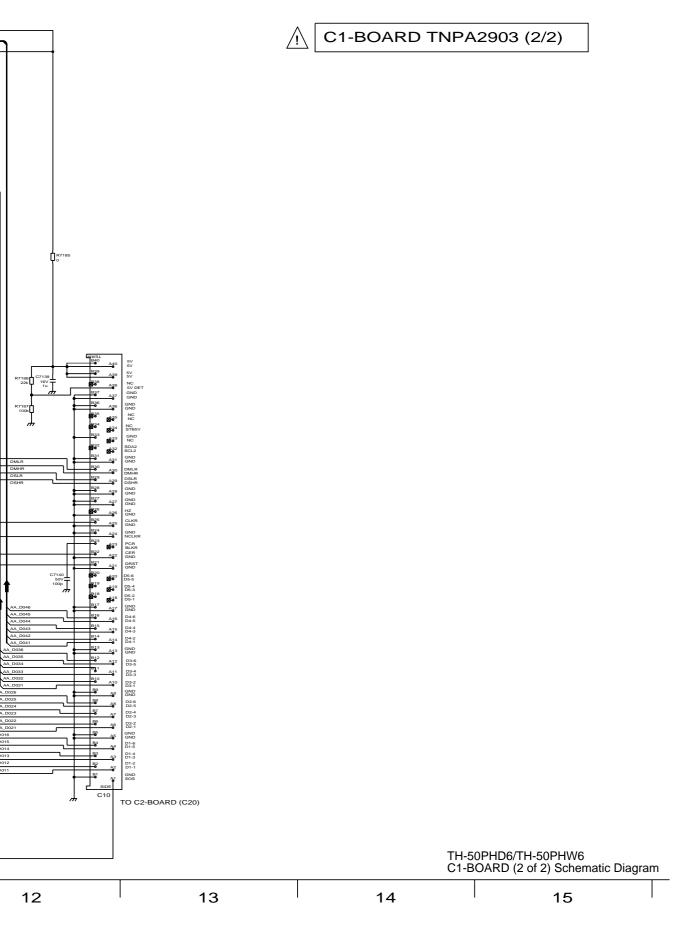




14.42. C1-Board (2 of 2) Schematic Diagram

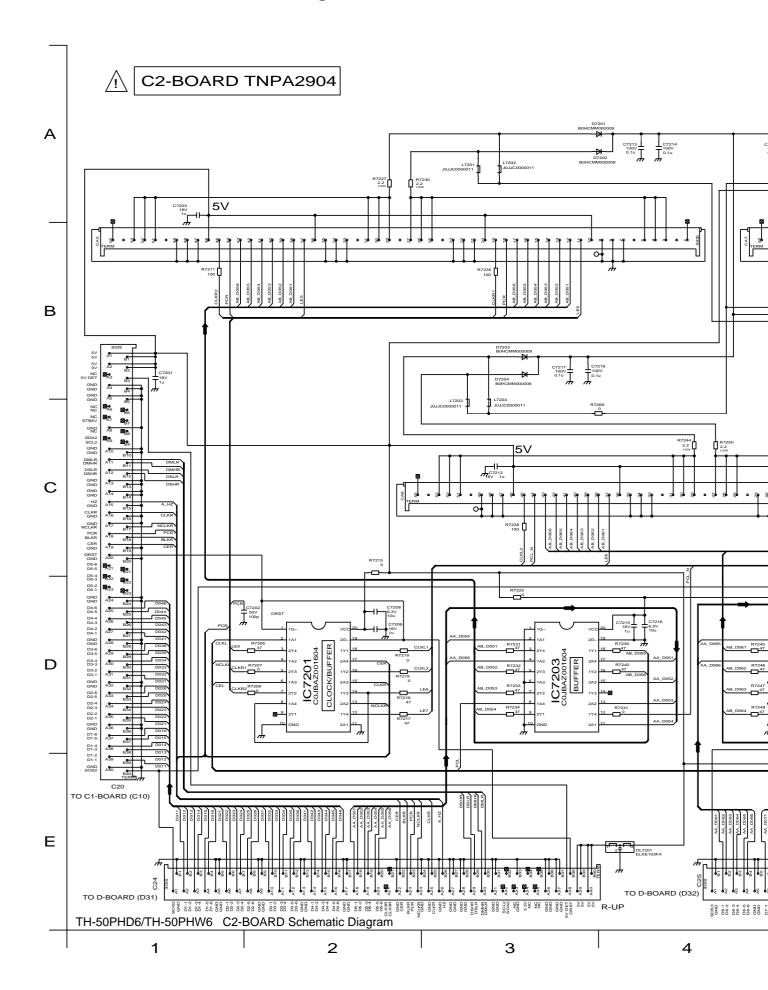




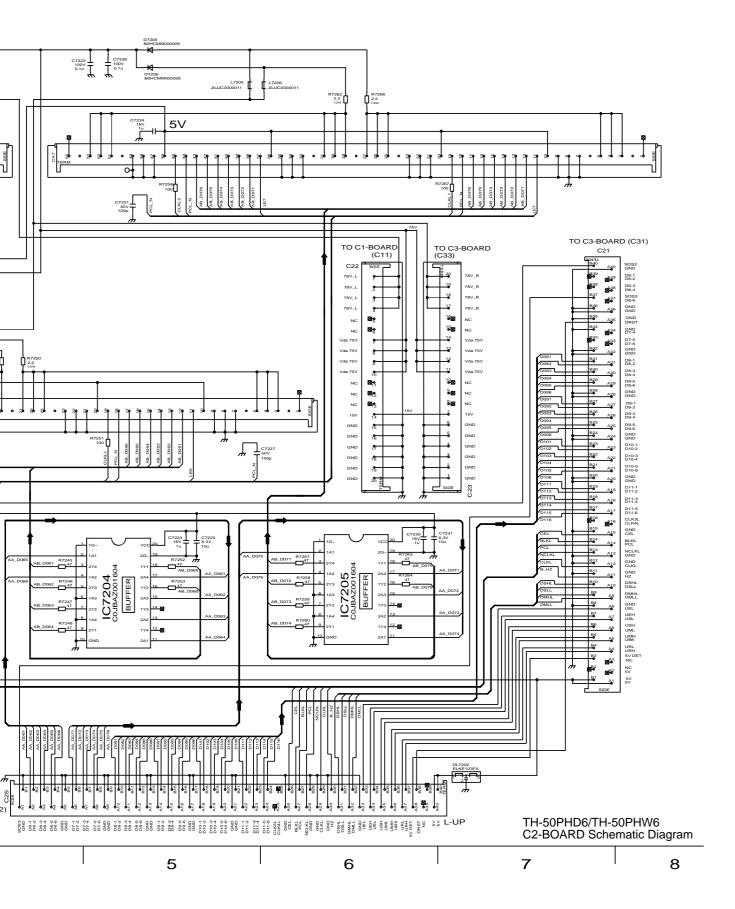


98___

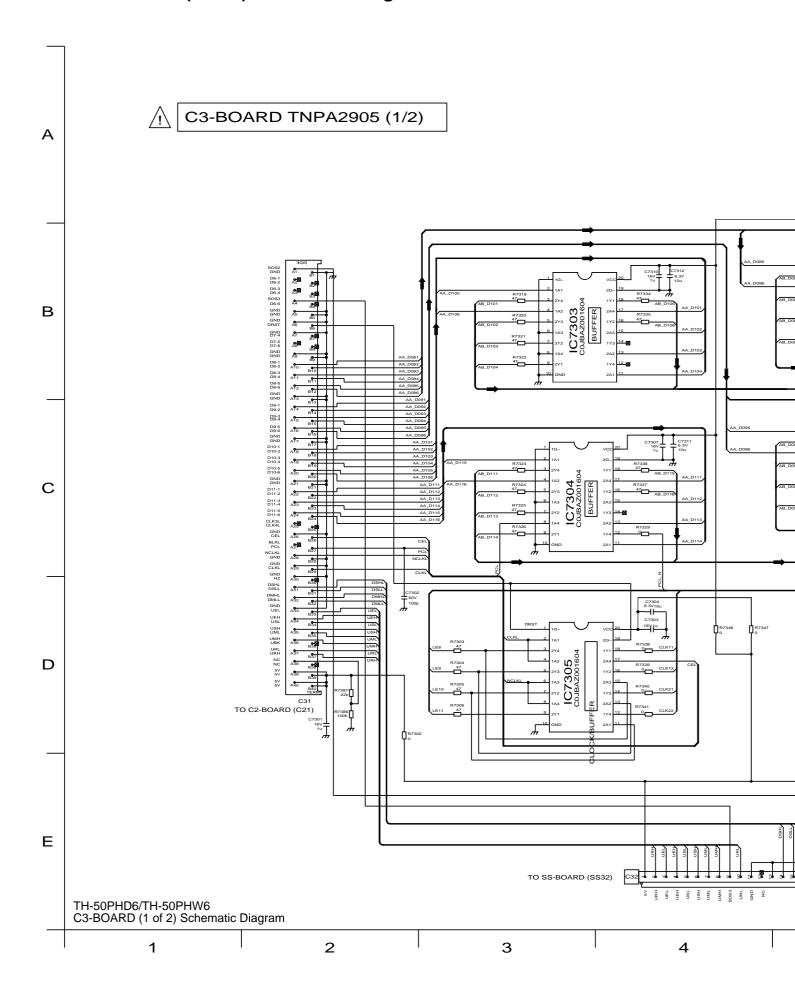
14.43. C2-Board Schematic Diagram

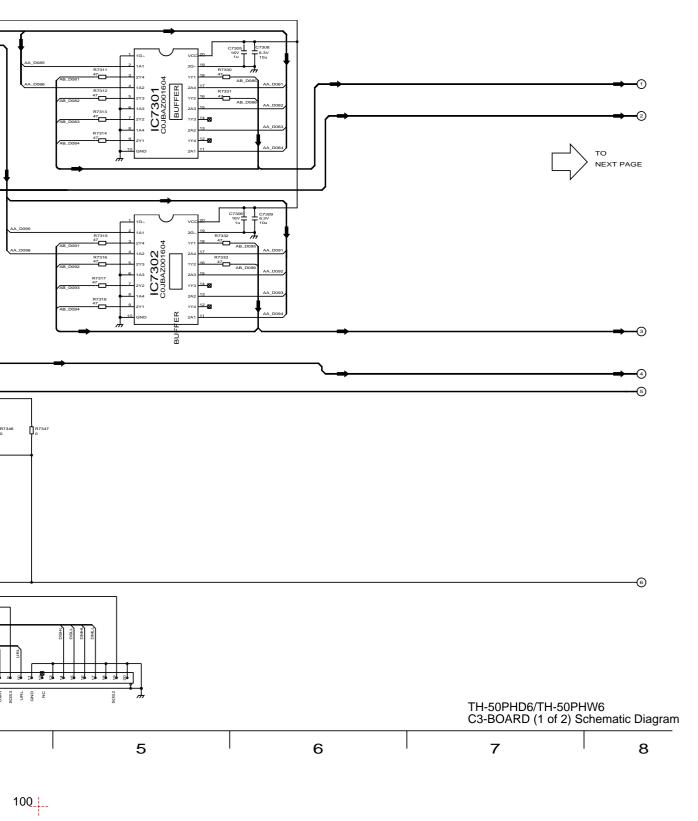




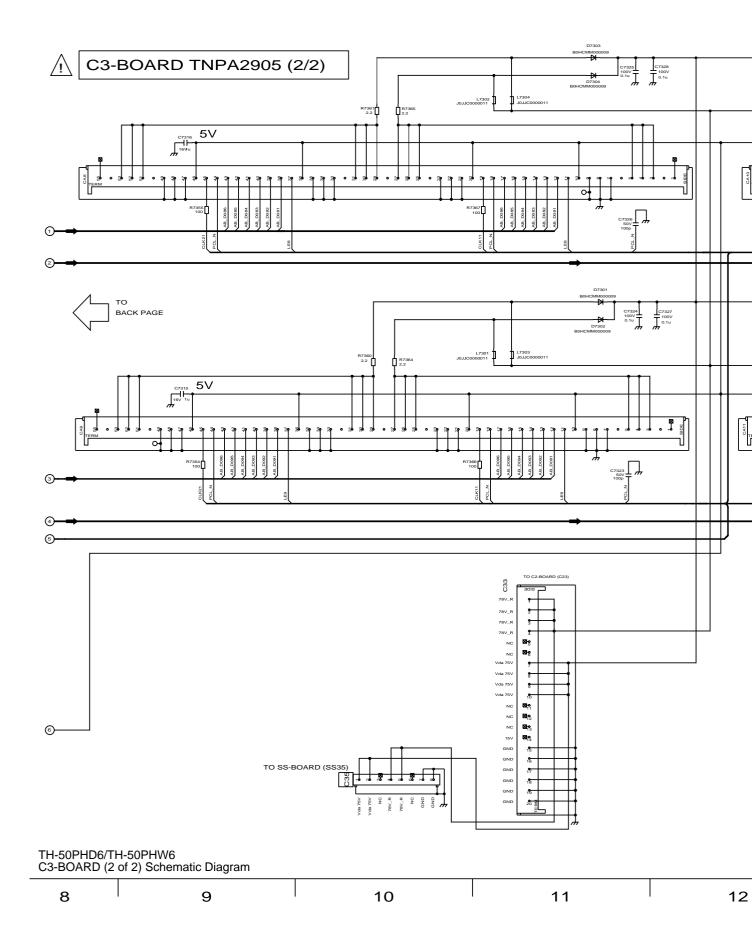


14.44. C3-Board (1 of 2) Schematic Diagram

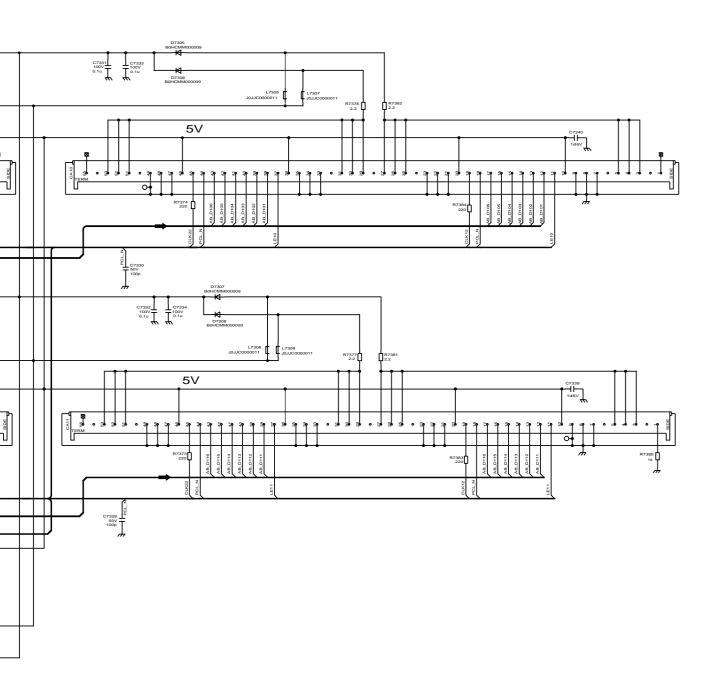




14.45. C3-Board (2 of 2) Schematic Diagram

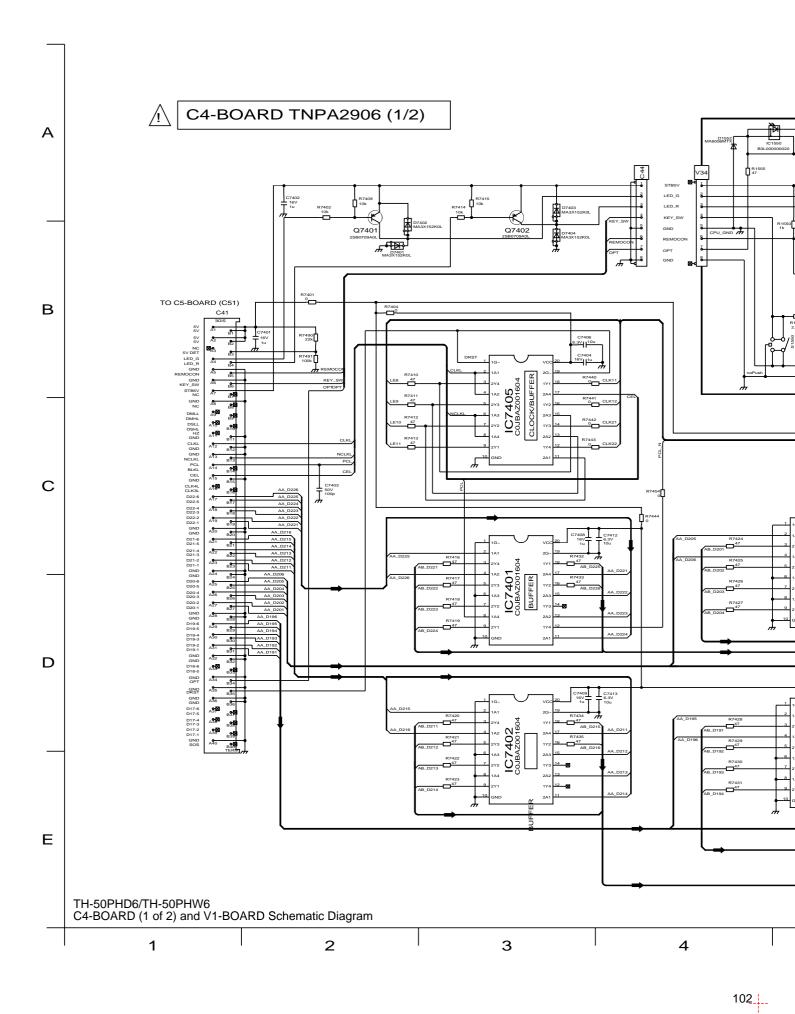




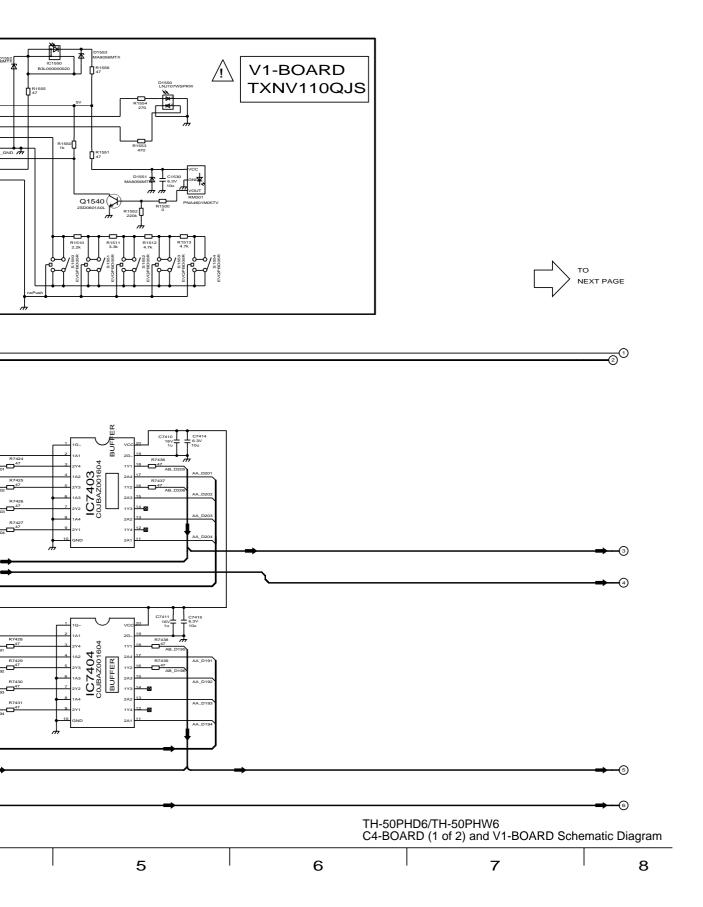




14.46. C4-Board (1 of 2) and V1-Board Schematic Diagram

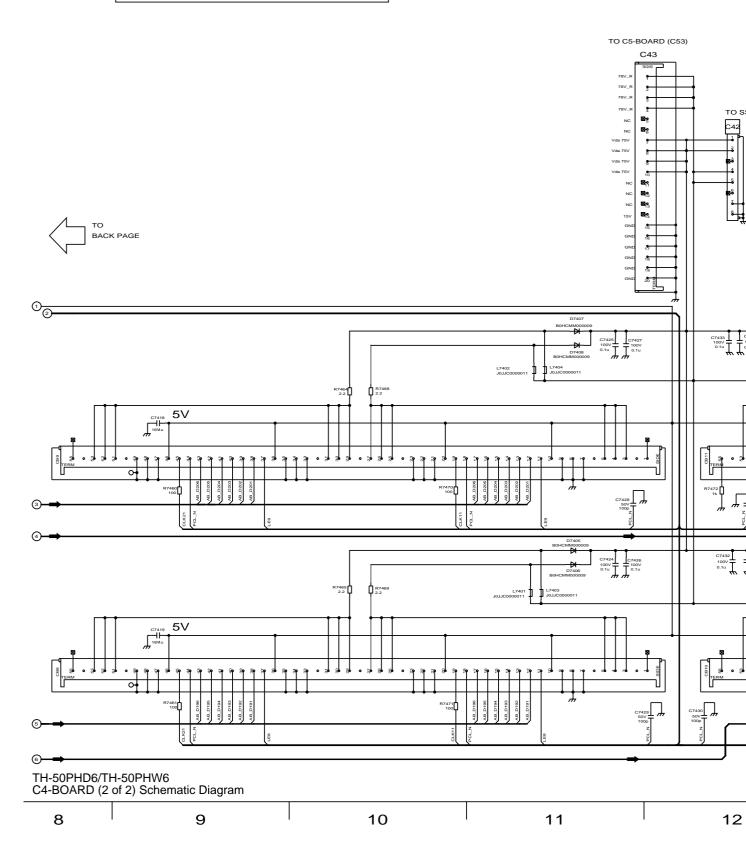


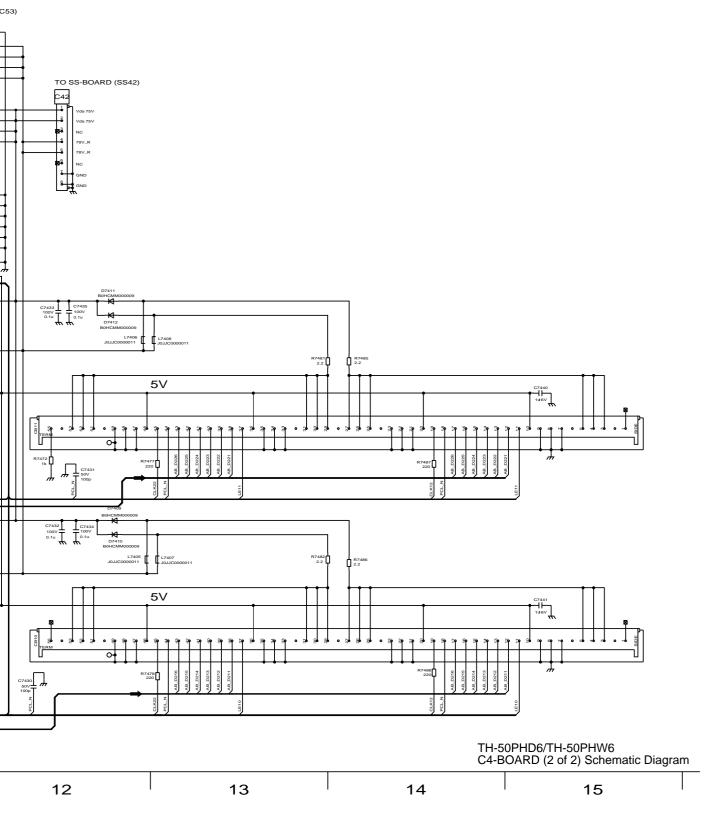




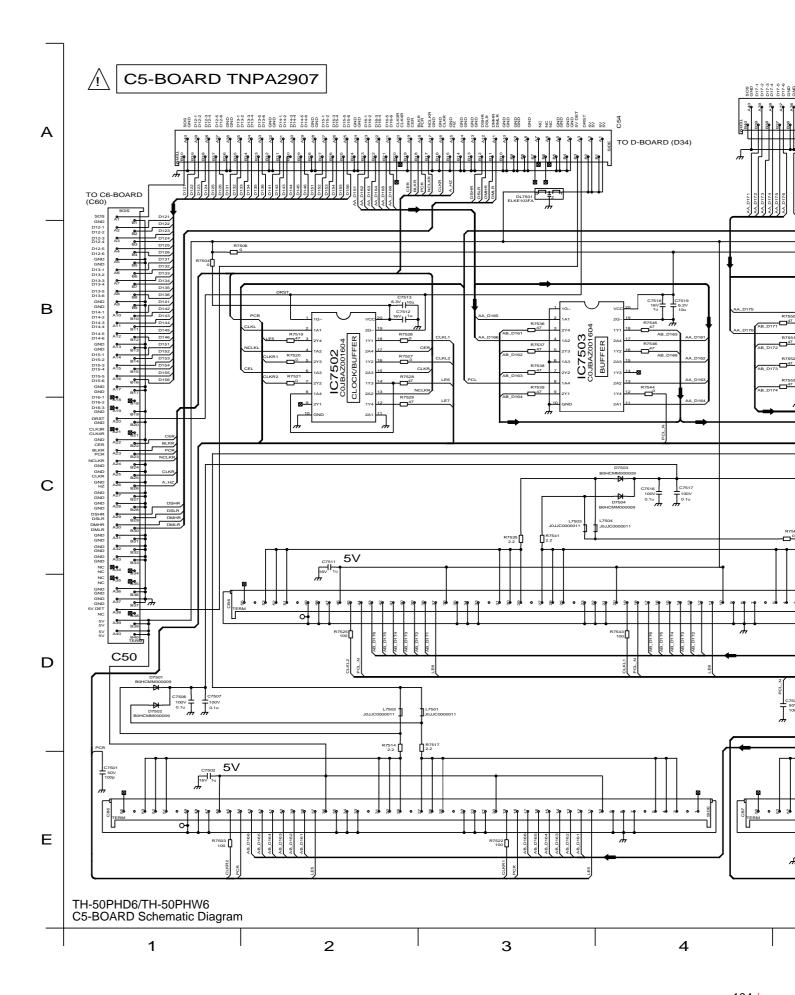
14.47. C4-Board (2 of 2) Schematic Diagram

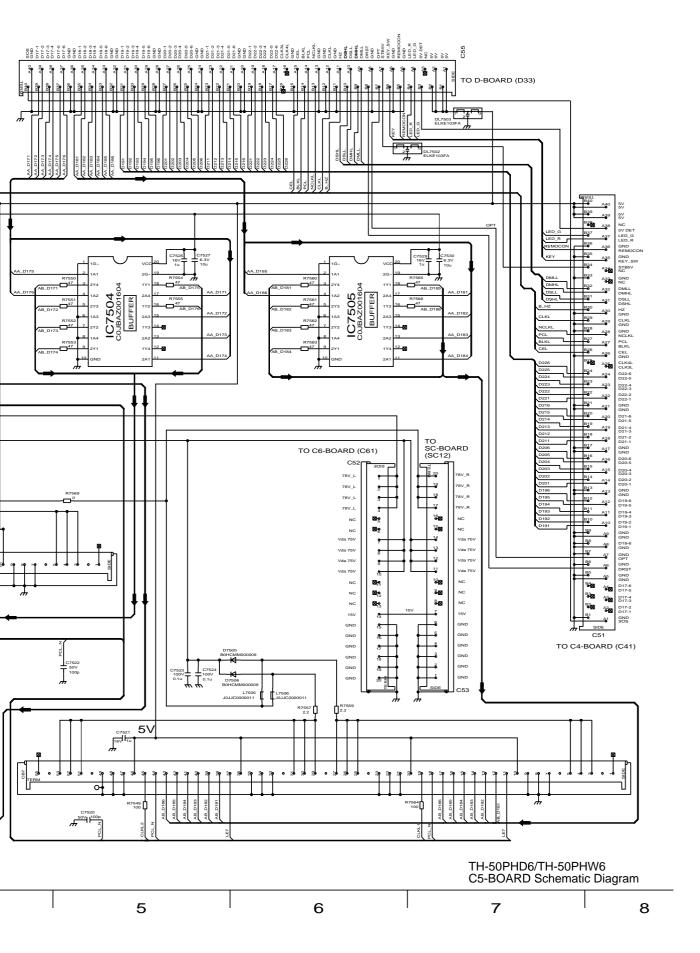
C4-BOARD TNPA2906 (2/2)



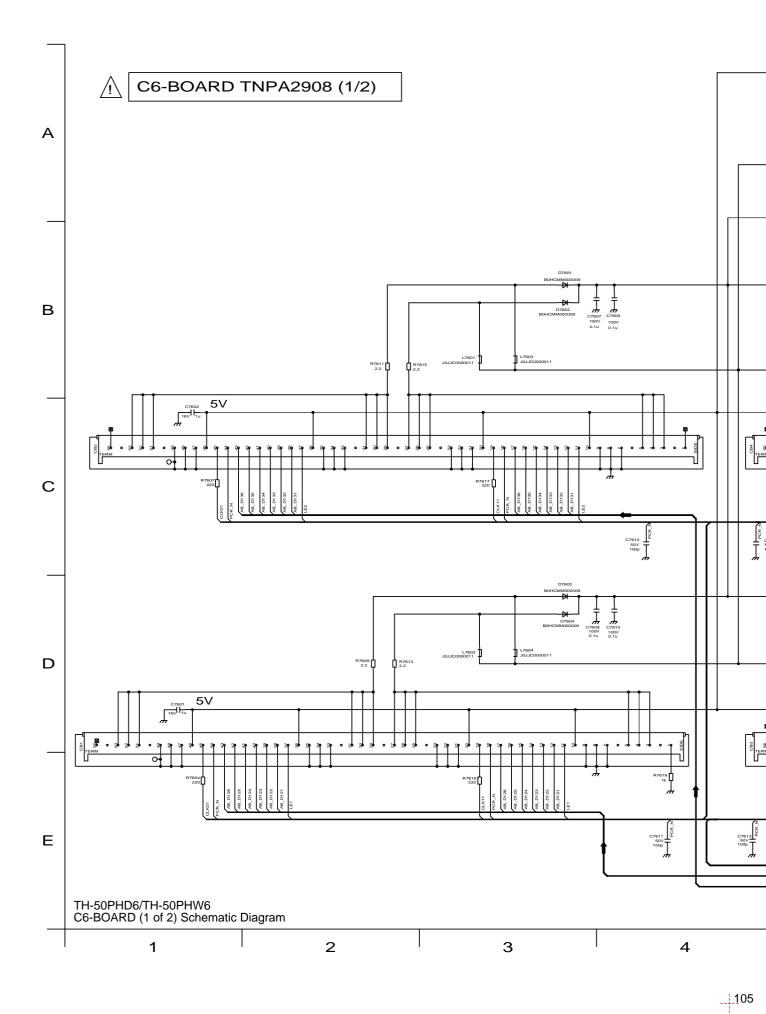


14.48. C5-Board Schematic Diagram

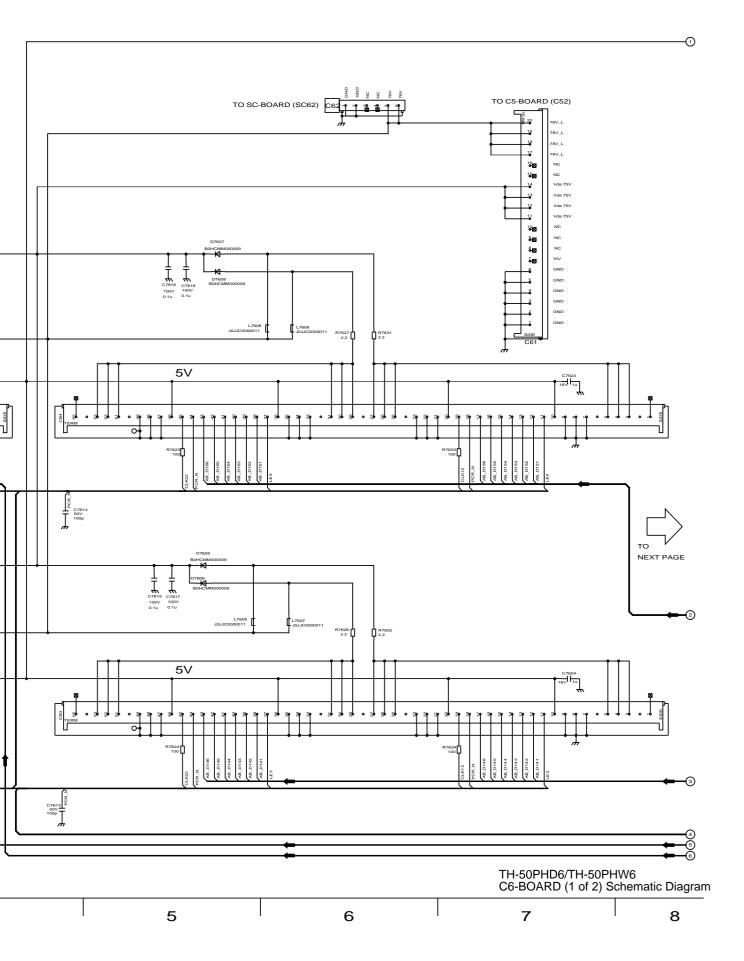




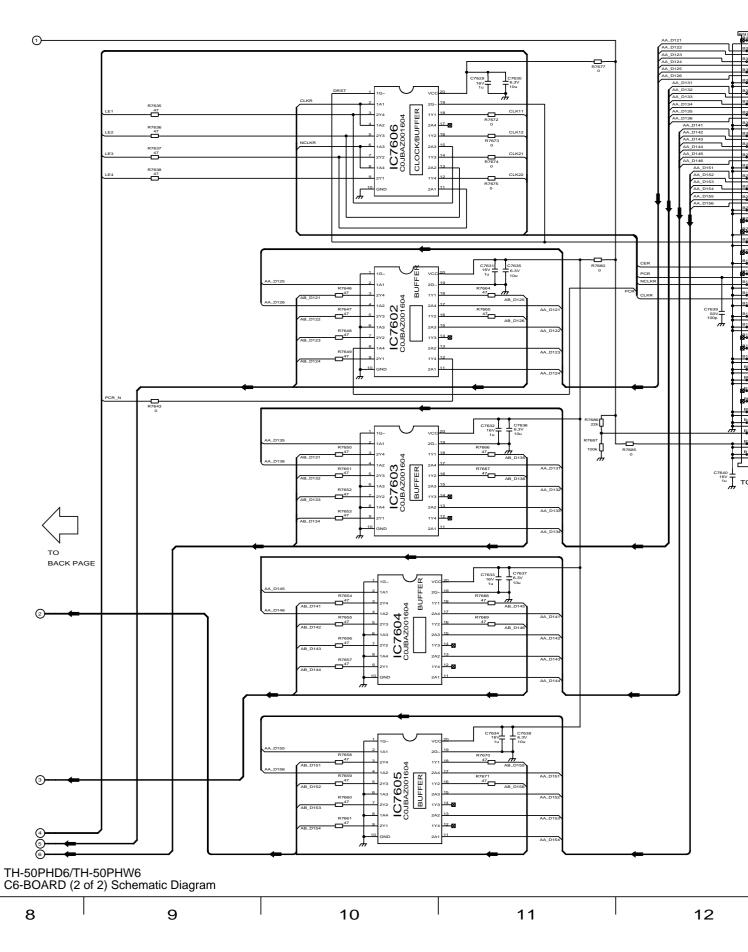
14.49. C6-Board (1 of 2) Schematic Diagram

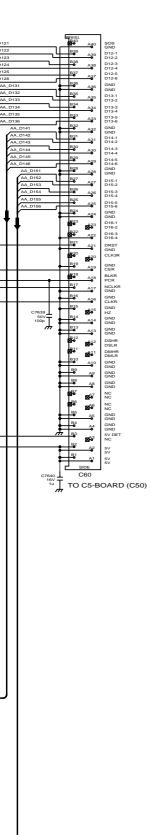






14.50. C6-Board (2 of 2) Schematic Diagram



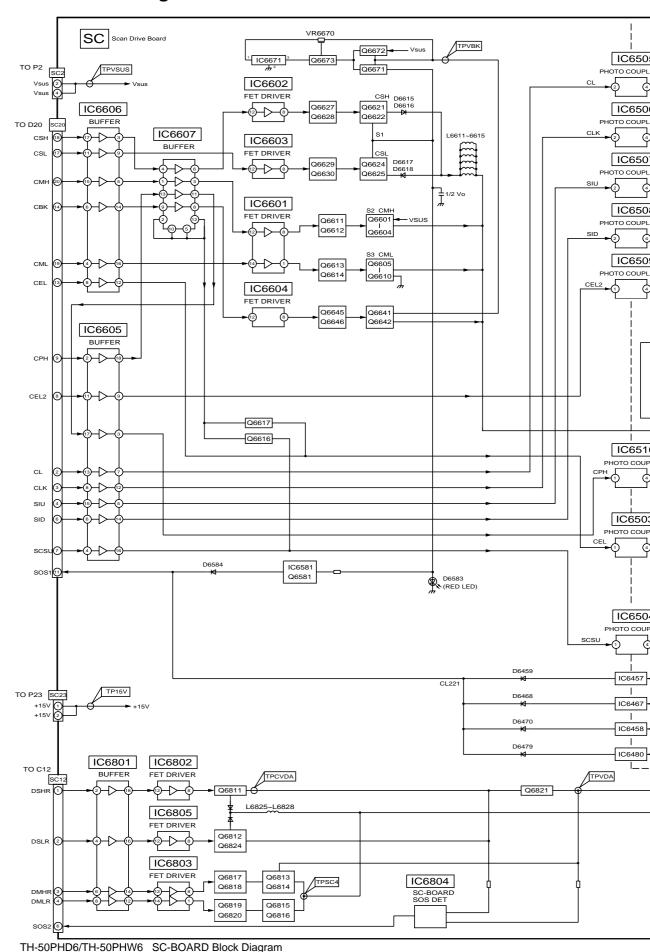


C6-BOARD TNPA2908 (2/2)

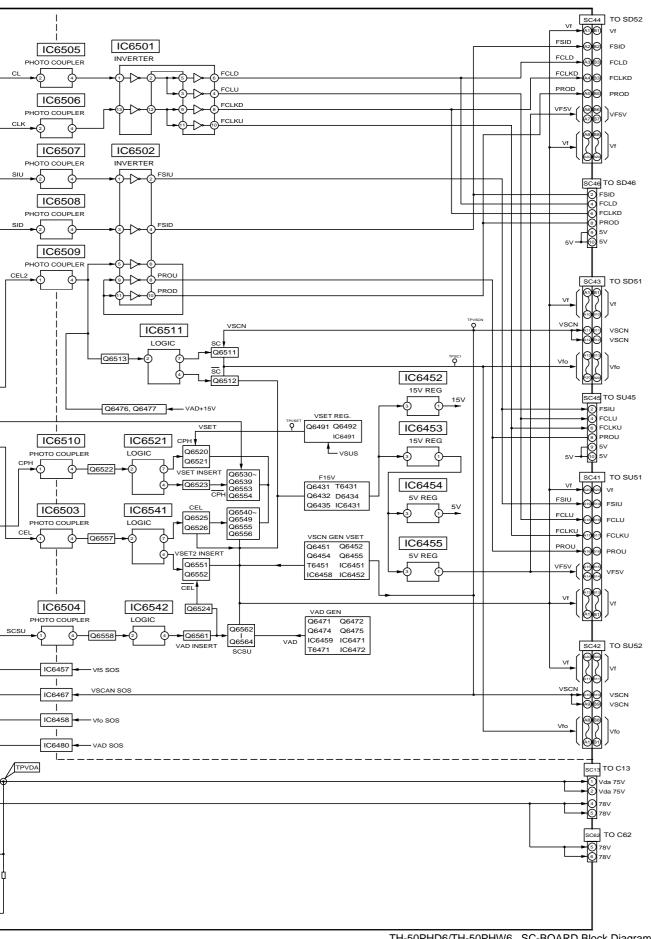
TH-50PHD6/TH-50PHW6 C6-BOARD (2 of 2) Schematic Diagram

12 13 14 15

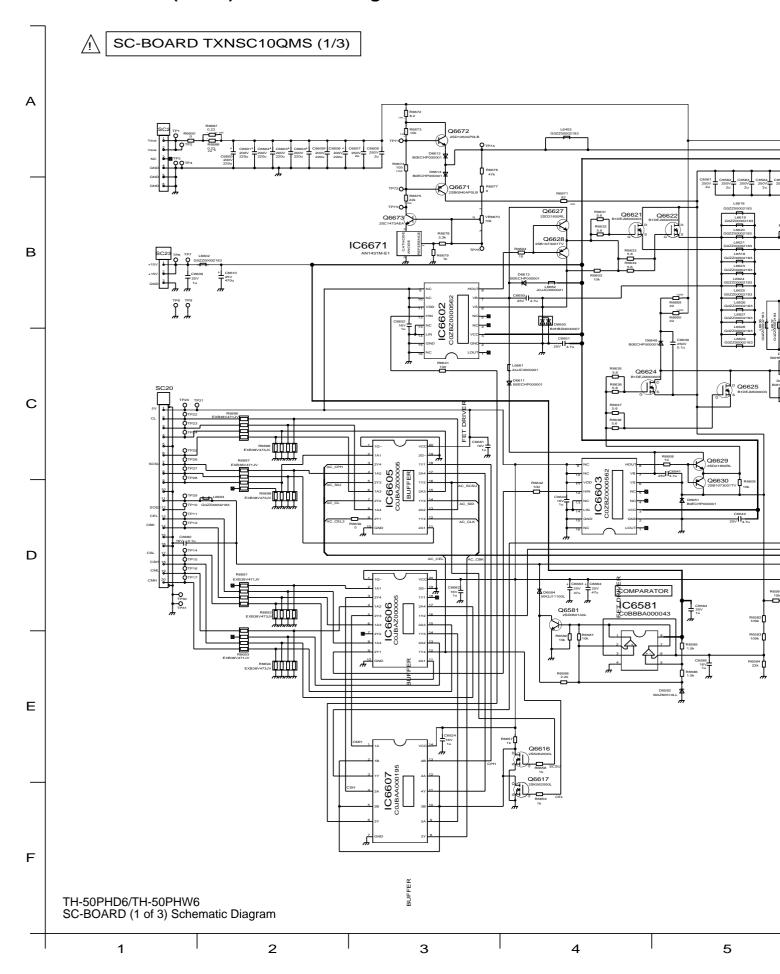
14.51. SC-Board Block Diagram



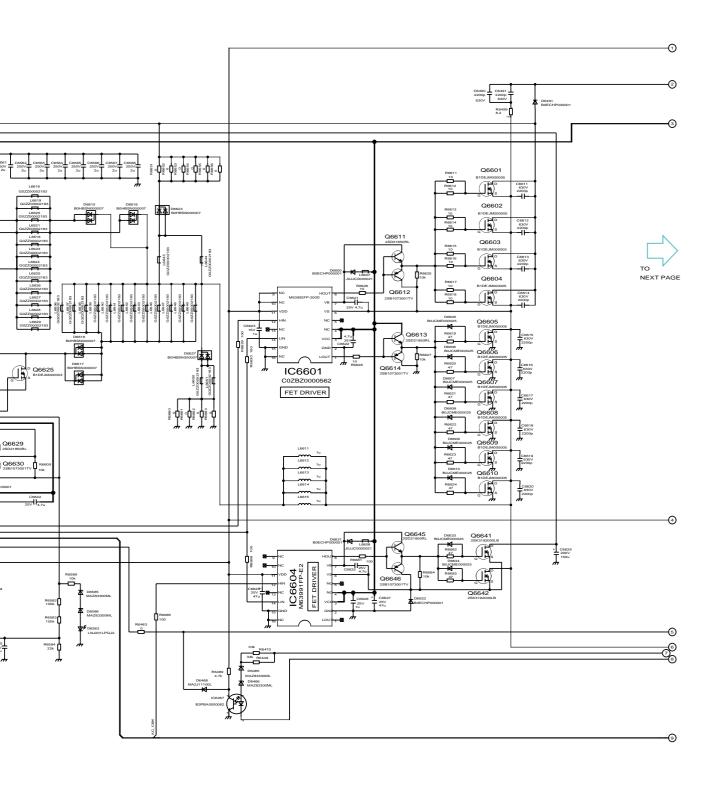




14.52. SC-Board (1 of 3) Schematic Diagram

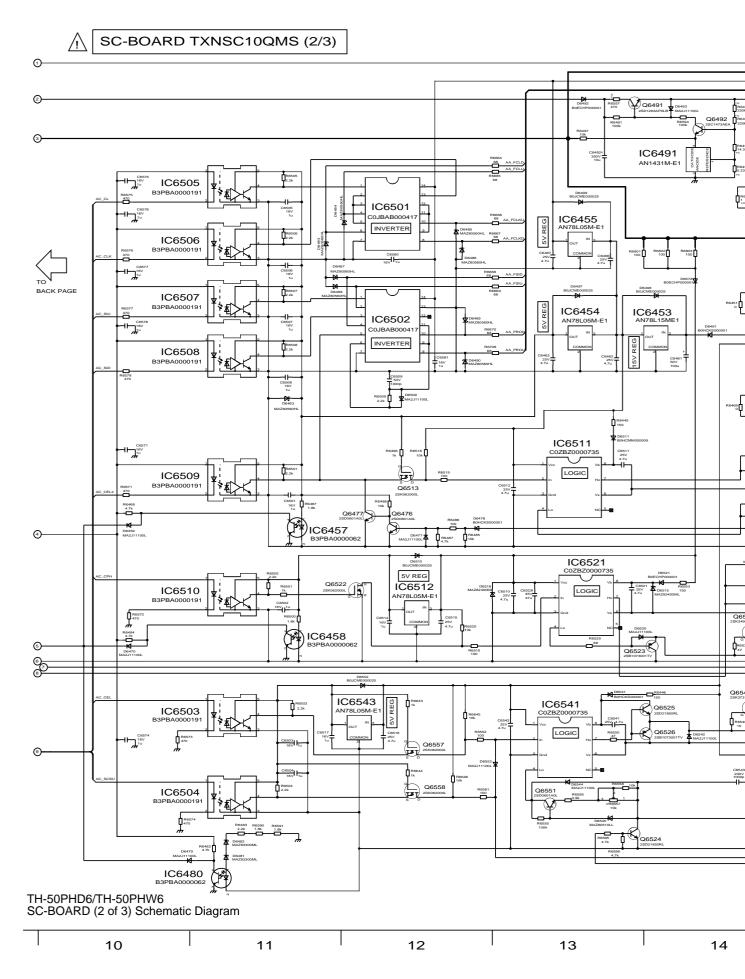




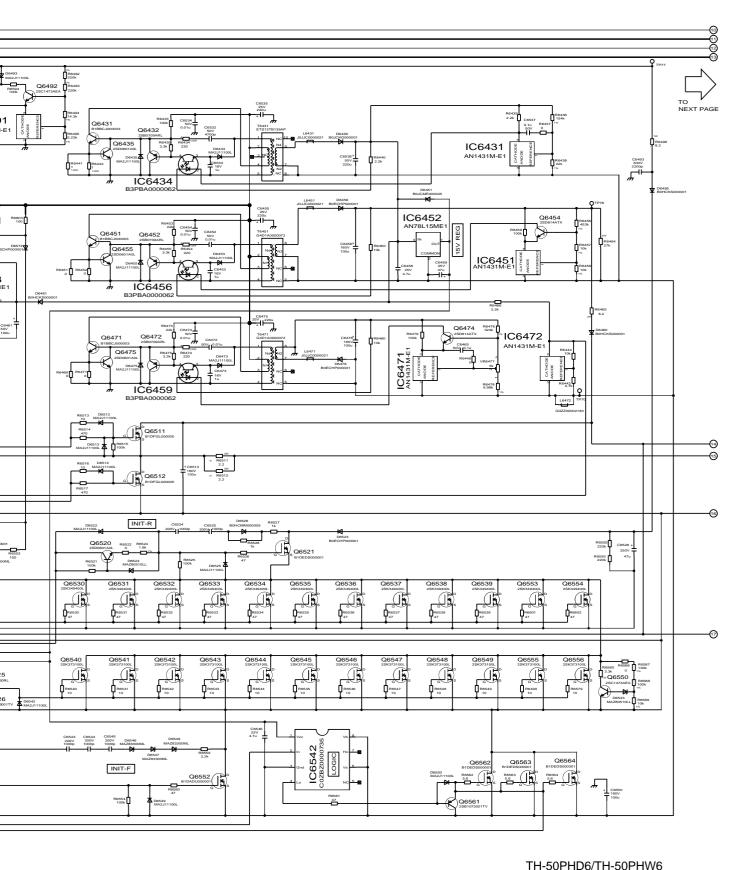




14.53. SC-Board (2 of 3) Schematic Diagram



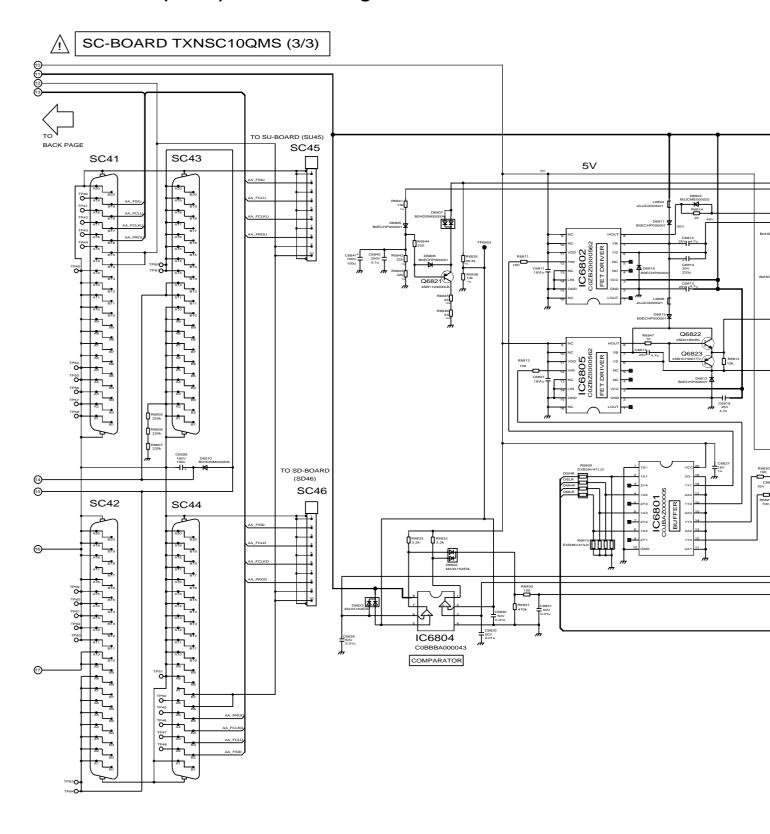




TH-50PHD6/TH-50PHW6 SC-BOARD (2 of 3) Schematic Diagram

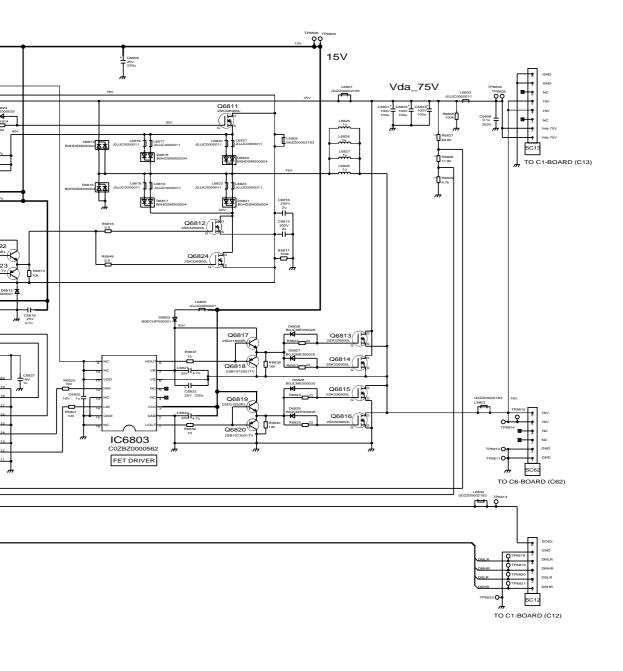
14 15 16 17 18

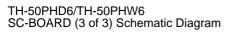
14.54. SC-Board (3 of 3) Schematic Diagram





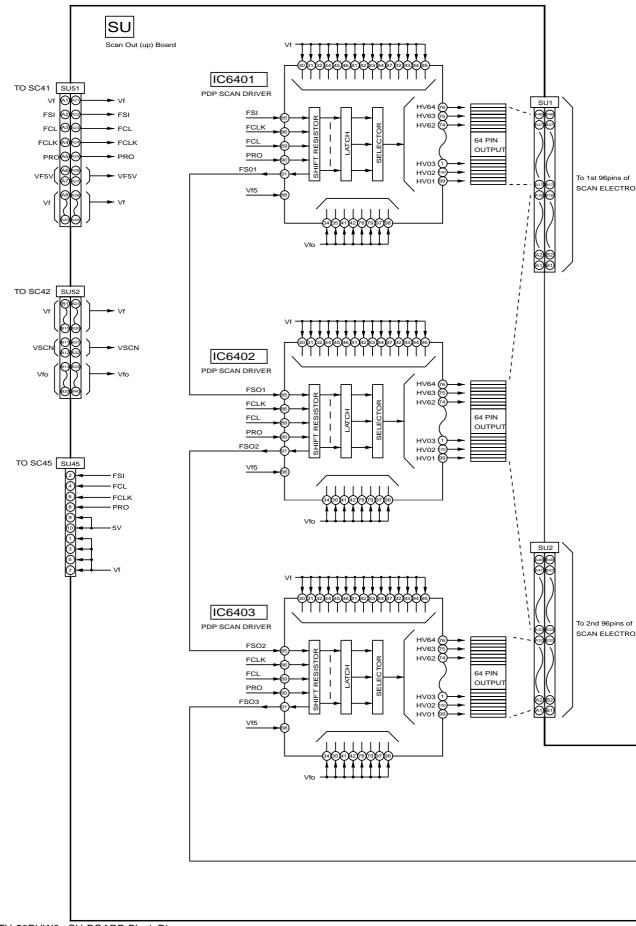






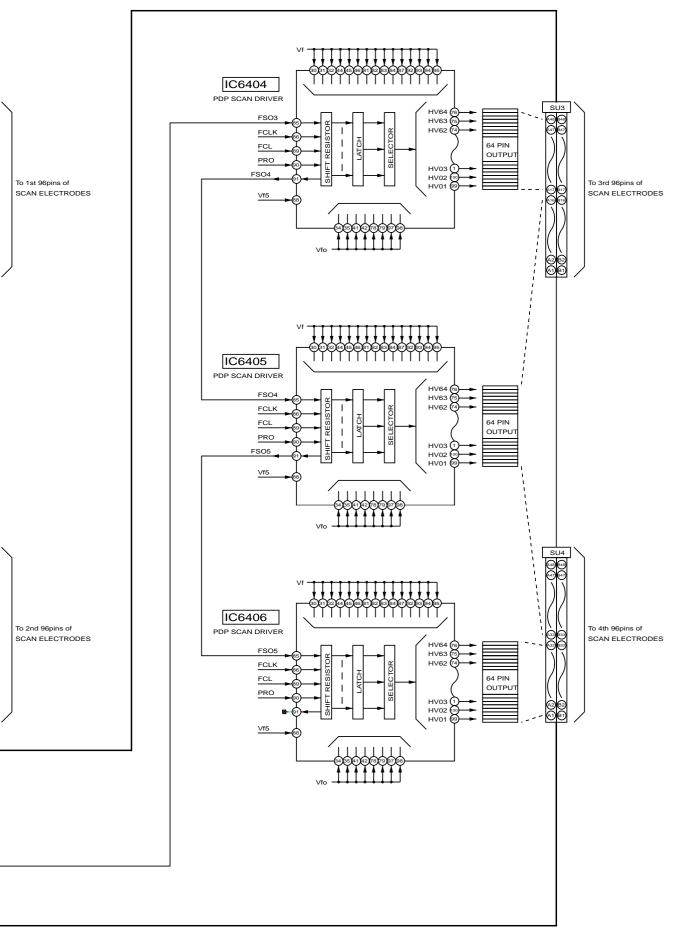


14.55. SU-Board Block Diagram

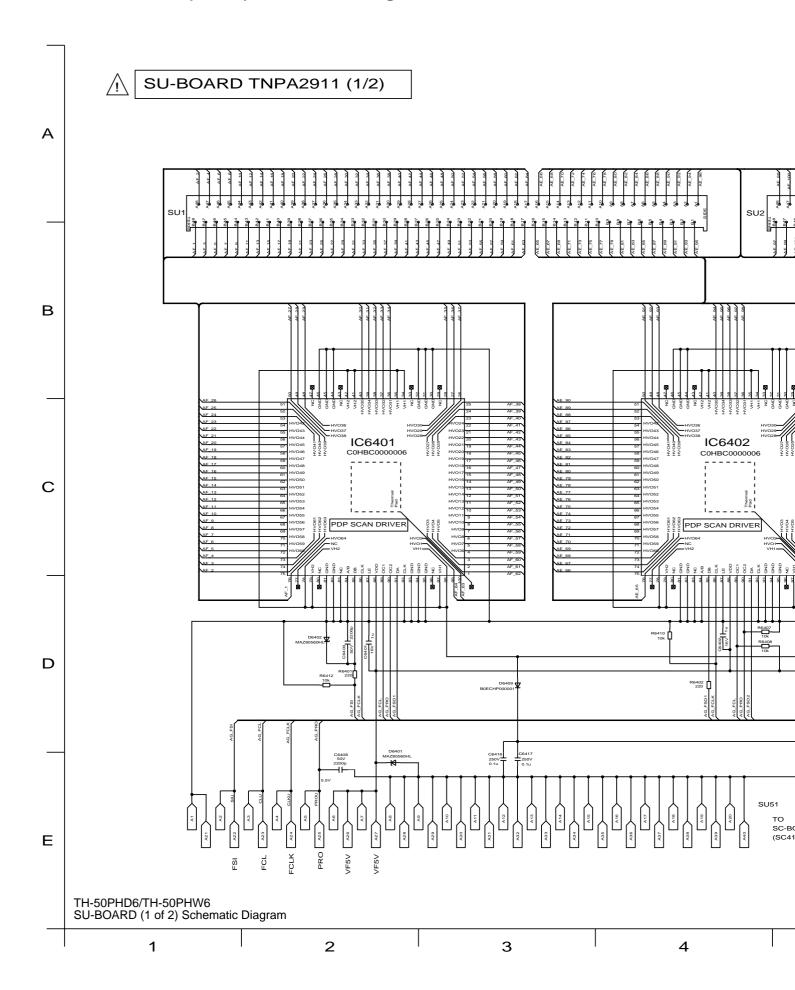


TH-50PHD6/TH-50PHW6 SU-BOARD Block Diagram

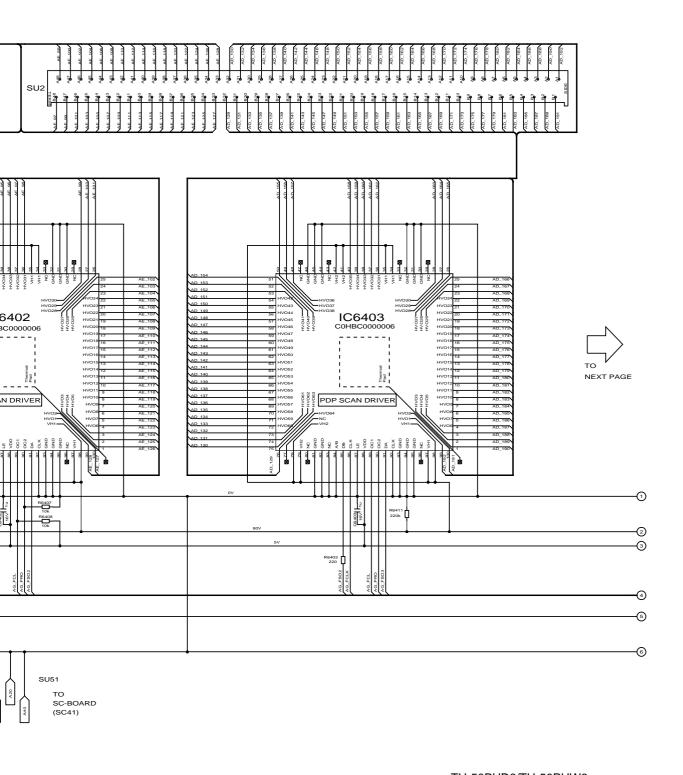


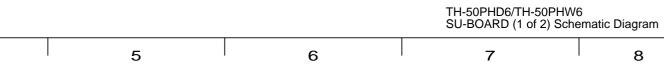


14.56. SU-Board (1 of 2) Schematic Diagram

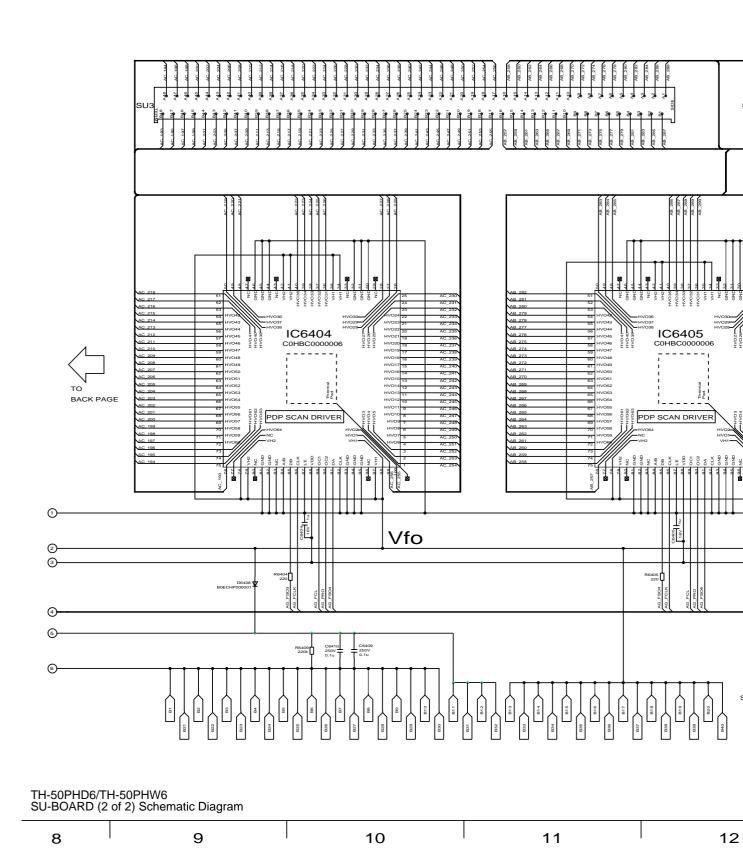




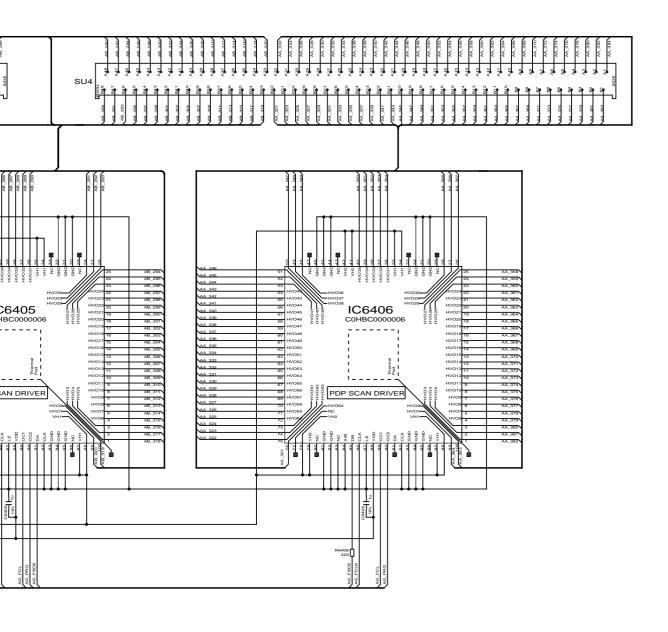


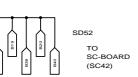


14.57. SU-Board (2 of 2) Schematic Diagram







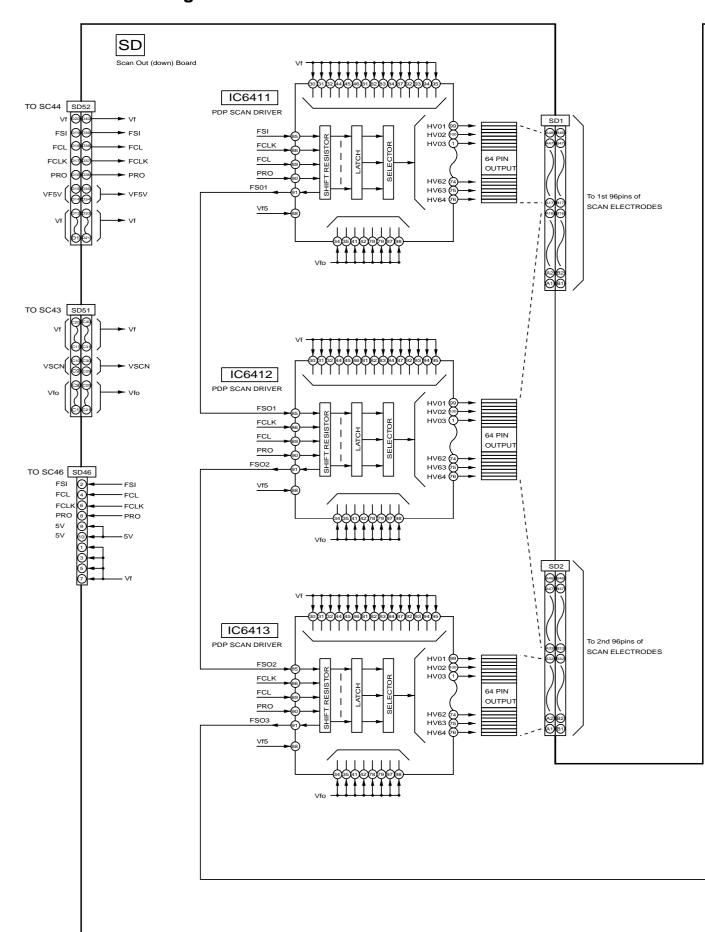


TH-50PHD6/TH-50PHW6 SU-BOARD (2 of 2) Schematic Diagram

12 13 14 15

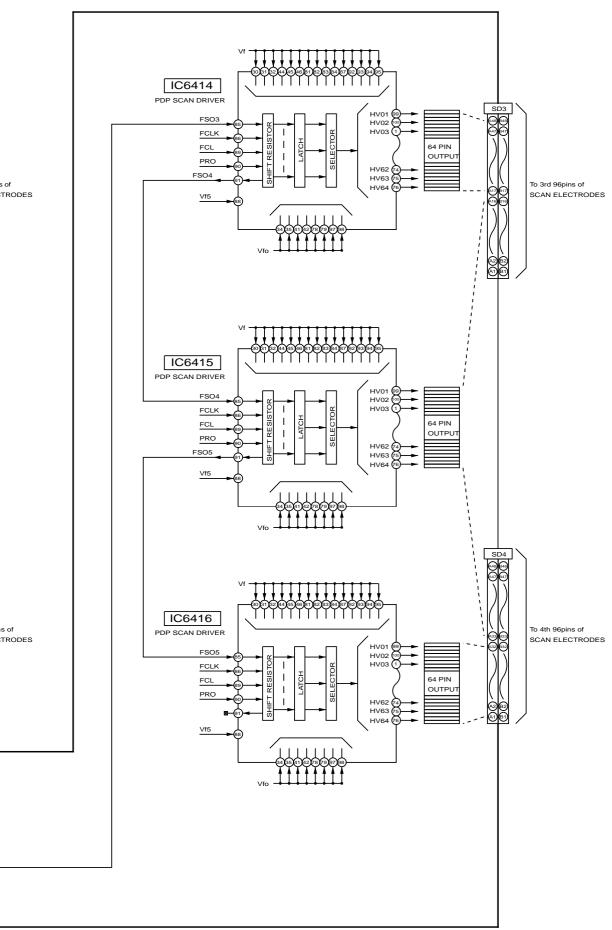
___113

14.58. SD-Board Block Diagram



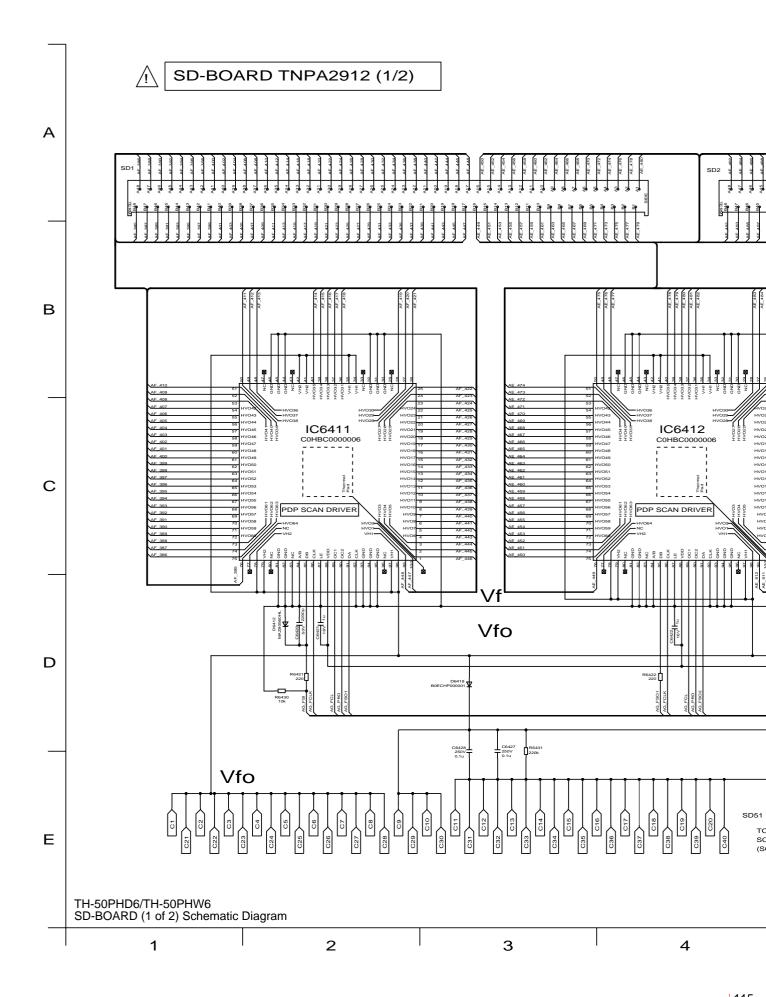
TH-50PHD6/TH-50PHW6 SC-BOARD Block Diagram

s of

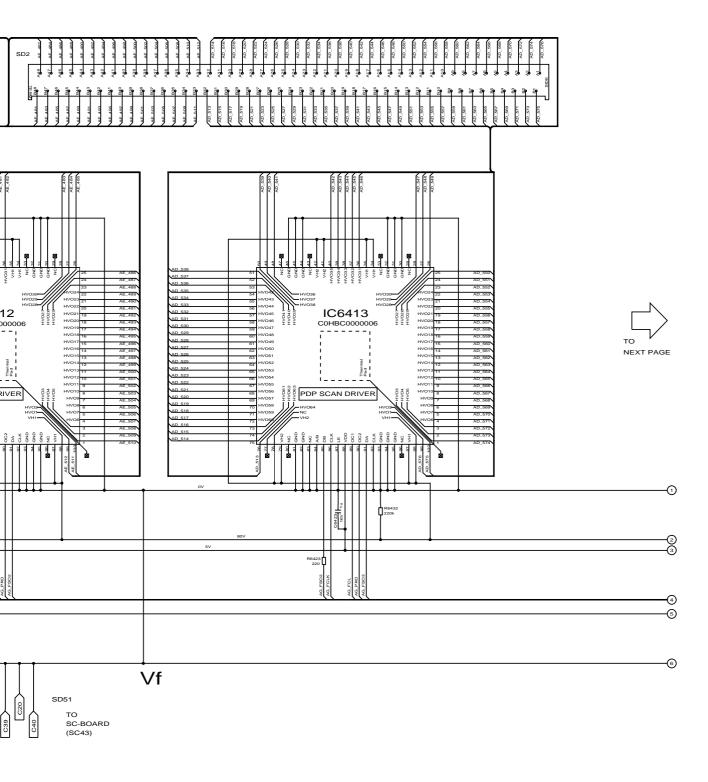


TH-50PHD6/TH-50PHW6 SC-BOARD Block Diagram

14.59. SD-Board (1 of 2) Schematic Diagram

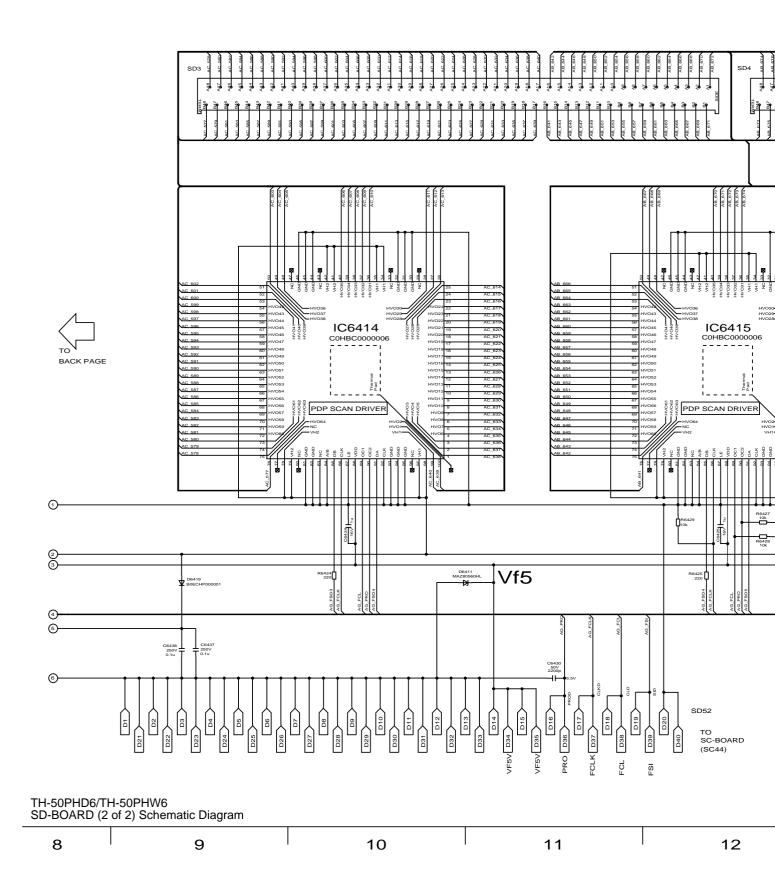






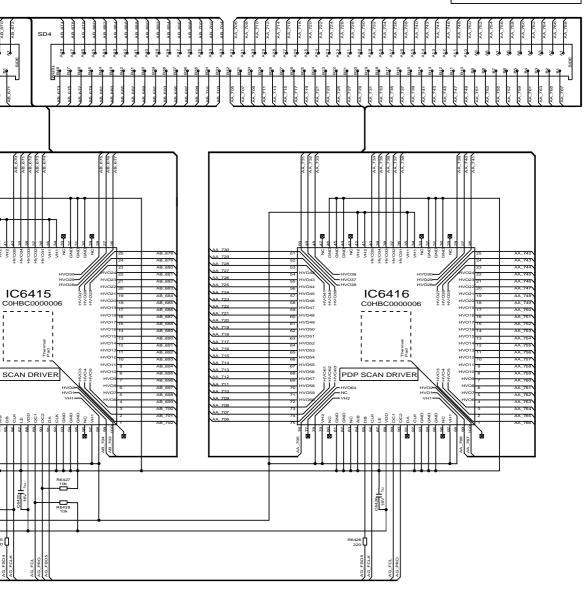


14.60. SD-Board (2 of 2) Schematic Diagram









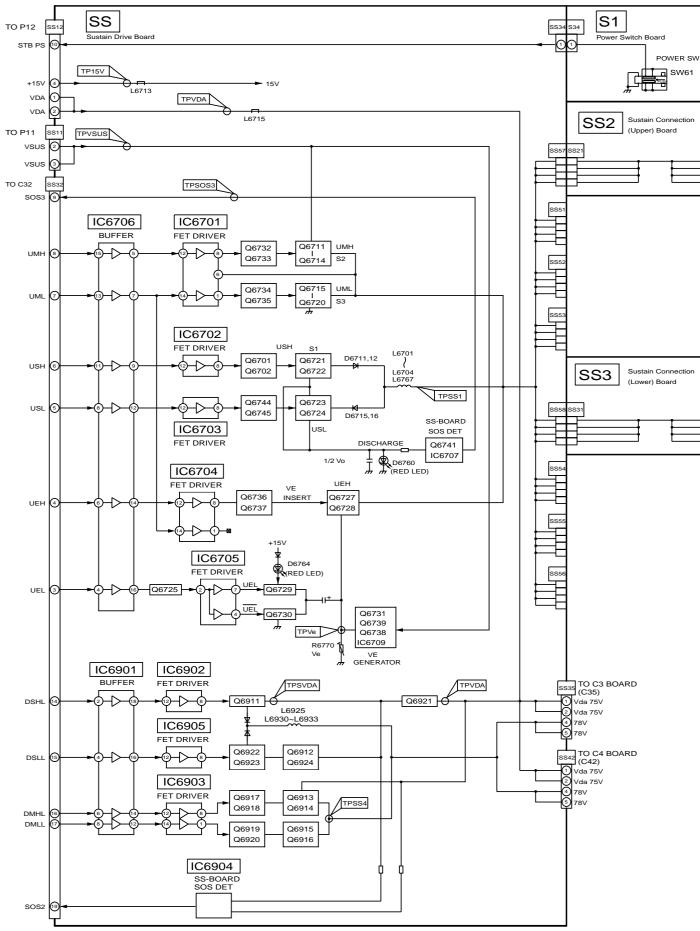
52

TO SC-BOARD (SC44)

> TH-50PHD6/TH-50PHW6 SD-BOARD (2 of 2) Schematic Diagram

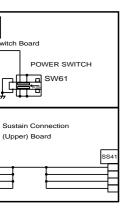
12 13 14 15

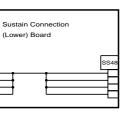
14.61. SS, S1, SS2 and SS3-Board Block Diagram



TH-50PHD6/TH-50PHW6 SS, S1, SS2 and SS3-BOARD Block Diagram



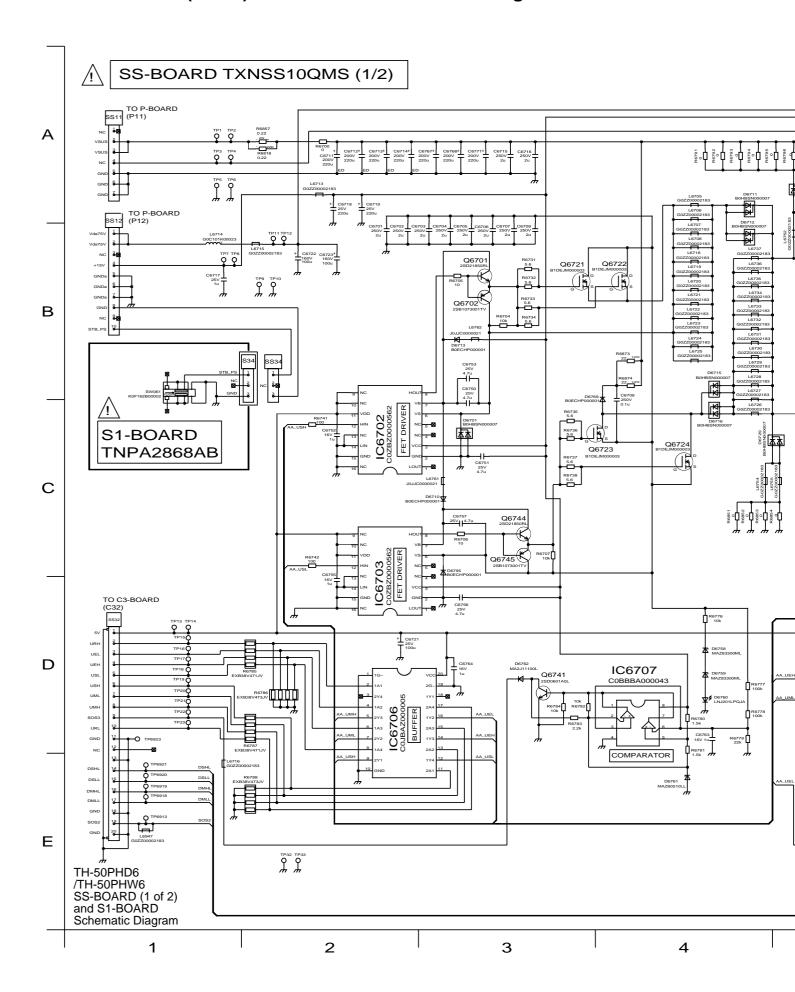


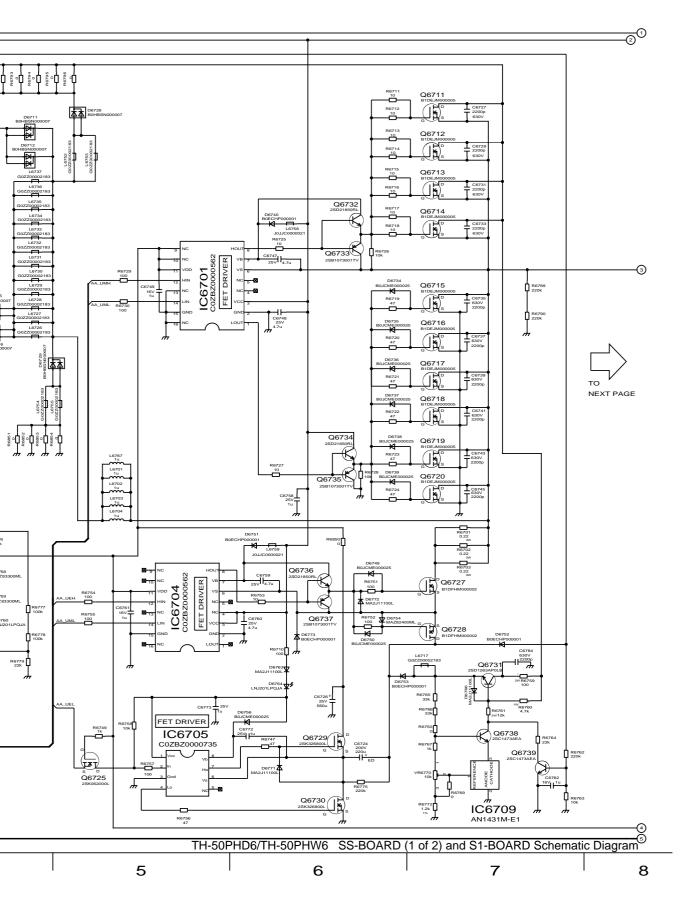


RD

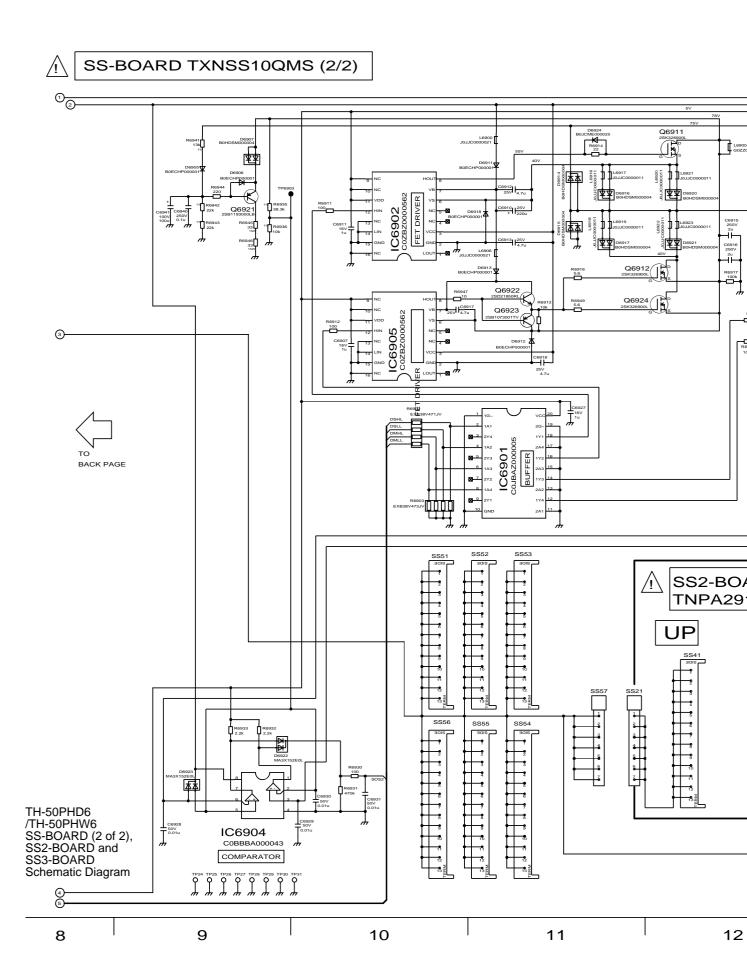
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14.62. SS-Board (1 of 2) and S1-Board Schematic Diagram

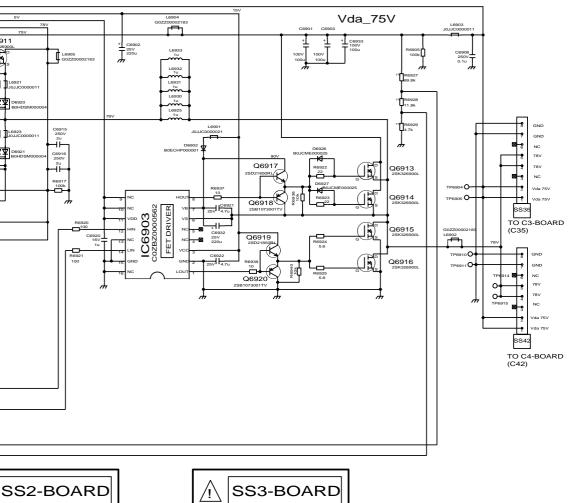


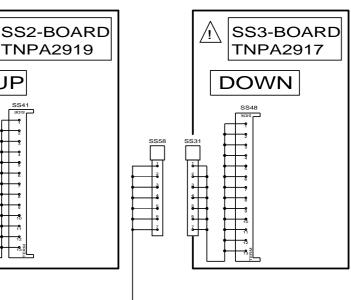


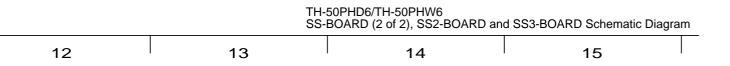
14.63. SS-Board (2 of 2), SS2 and SS3-Board Schematic Diagram



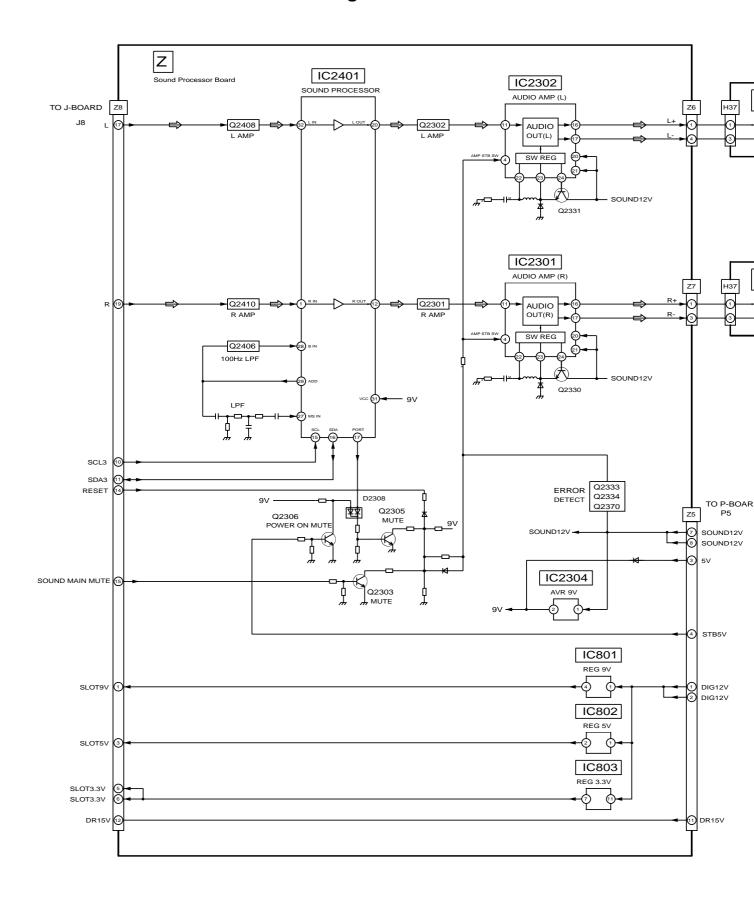






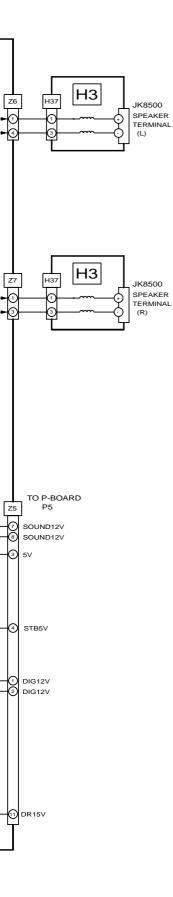


14.64. Z-Board and H3-Board Block Diagram



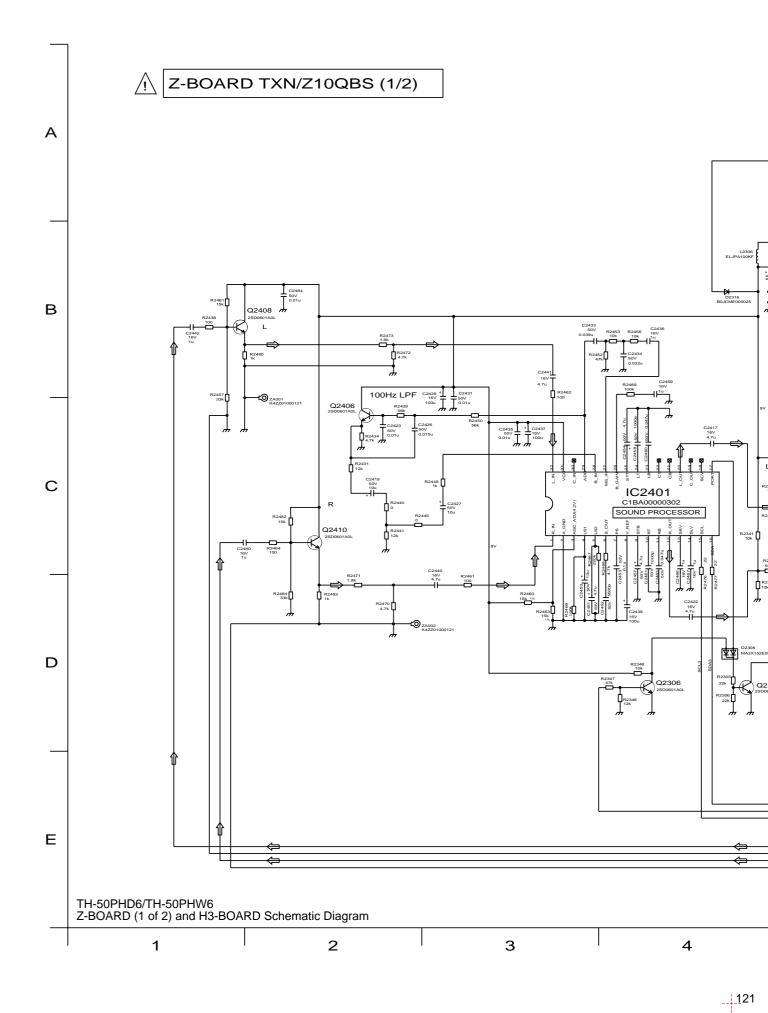
TH-50PHD6/TH-50PHW6 Z and H3-BOARD Block Diagram



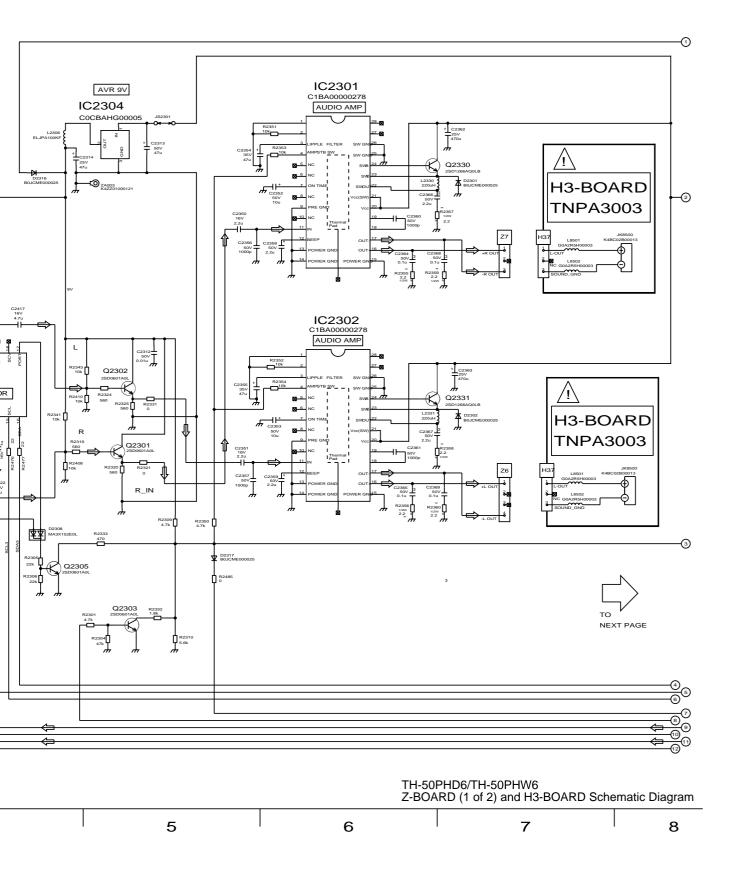


TH-50PHD6/TH-50PHW6 Z and H3-BOARD Block Diagram

14.65. Z-Board (1 of 2) and H3-Board Schematic Diagram

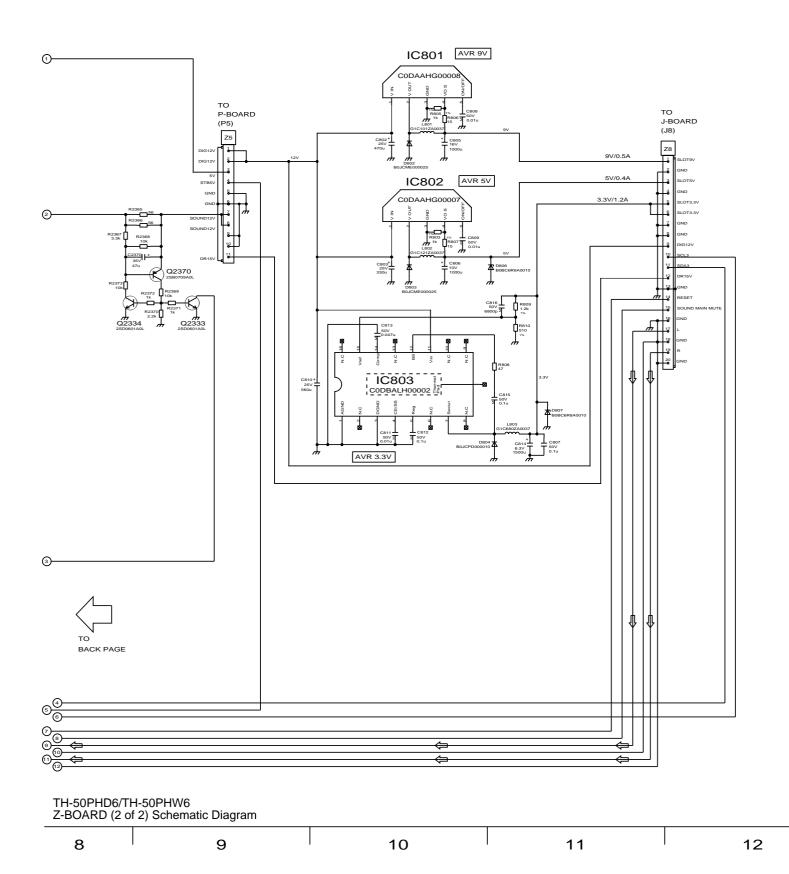






14.66. Z-Board (2 of 2) Schematic Diagram

/ Z-BOARD TXN/Z10QBS (2/2)



TH-50PHD6/TH-50PHW6 Z-BOARD (2 of 2) Schematic Diagram

12 13 14 15

	INPUT	Equipment	Setting	Alignment menu	Procedure
1	RGB(PC) Gray Scale Pattern Black 2 % Black 0 %		Picture: Normal White balance: Cool Aspect: 16:9 COMPONENT /RGB-IN: RGB	G cut off B cut off Chroma Control: Gun off RGB Sub Adjust: G Sub Bright 1 Chroma Control: Gun off RGB Sub Adjust: B Sub Bright 1 Chroma Control:	
2	Component (525i, 525p, 625i, 720i or 1080i) Gray Scale Pattern Black 2 % Black 0 %		White balance:	PANEL W/B R,G,B cut off PANEL W/B R,G,B Drive	1) Change input to Component signal. 2) Repeat procedure 1) to 7) of RGB input signal.

	INPUT	Equipment	Setting	Alignment menu	Procedure
1	RGB(PC) Gray Scale Pattern Black 2 % Black 0 %		Picture: Normal White balance: Cool Aspect: 16:9 COMPONENT /RGB-IN: RGB	G cut off B cut off B cut off Chroma Control: Gun off RGB Sub Adjust: G Sub Bright 2 Chroma Control: Gun off RGB Sub Adjust: B Sub Bright 2 Chroma Control: Gun off RGB Sub Adjust:	 ** Adjust at the dark room. 1) Press the SWAP button, change input to signal path. 2) Set R,G and B cut off to " 3) Set Gun off to "5". (Only green pixels can emit.) 4) Adjust G Sub bright to start some of green pixels emission at black 2% area and no emission at black 0% area. 5) Set Gun off to "3". (Only blue pixels can emit.) 6) Adjust B Sub bright to start some of blue pixels emission at black 2% area and no emission at black 0% area. 7) Set Gun off to "6". (Only red pixels can emit.) 8) Adjust R Sub bright to start some of red pixels emission at black 2% area and no emission at black 0% area.
2	Component (525i, 525p, 625i, 720i or 1080i) Gray Scale Pattern Black 2 % Black 0 %		White balance:	PANEL W/B R,G,B cut off PANEL W/B R,G,B Drive	1) Change input to Component signal. 2) Repeat procedure 1) to 7) of RGB input signal.

	INPUT	Equipment	Setting	Alignment menu	Procedure				
1	NTSC Gray Scale Pattern High light 75% - Low light 15%	Color Analyzer	Picture: Normal White balance: Cool Aspect: 16:9	PANEL W/B G cut off PANEL W/B B cut off R cut off Sub Adjust Sub Bright PANEL W/B G Drive PANEL W/B B Drive R Drive R,G,B Drive PANEL W/B	 5) If Sub Bright is changed re-adjust it to set Low light to 10 cd/m2. 6)Find 75% of white area by color sensor. 7) Set G Drive to " D8 ". 8) Adjust B and R Drive to set color temperature as shown Fig01. 9) Repeat item 4) to 7) to set both Low light and high light. 10) Increase same steps of R, G and B Drive to set 				
2			White balance:	PANEL W/B R,G,B Drive	1) Change white balance to "Normal". 2) Repeat procedure 3) to 11) of Cool mode.				
3			White balance:	PANEL W/B R,G,B Drive	1) Change white balance to "Warm". 2) Repeat procedure 3) to 11) of Cool mode.				
4			Picture: Normal White balance: Cool Aspect: 16:9		1) Change color templature to "Cool". 2)Re-set Sub bright to "30"				

	INPUT	Equipment	Setting	Alignment menu	Procedure				
1	PAL Gray Scale Pattern High light 75% – Low light 15%	Color Analyzer	Picture: Normal White balance: Cool Aspect: 16:9	PANEL W/B G cut off PANEL W/B B cut off R cut off Sub Adjust Sub Bright PANEL W/B G Drive PANEL W/B B Drive R Drive PANEL W/B R,G,B Drive PANEL W/B	1) Find the nearest area to brightness of 10 cd/m² as Low light by color sensor. 2) Adjust Sub bright to set Low light level to 10 cd/m² exactly. 3) Set G cut off to "80". 4) Adjust B and R cut off to set color temperature as shown Fig02. 5) If Sub Bright is changed re-adjust it to set Low light to 10 cd/m². 6)Find 75% of white area by color sensor. 7) Set G Drive to "D8". 8) Adjust B and R Drive to set color temperature as shown Fig02. 9) Repeat procedure 4) to 7) to set both Low light and high light. 10) Increase same steps of R, G and B Drive to set largest level of 3 color drive to "FC". 11) Re-adjust Low light level again. Color Temp. x y Cool(Hi) 0.276 0.276 Normal(Mid) 0.288 0.296 Warm(Low) 0.313 0.329 Fig02				
2			White balance:	PANEL W/B R,G,B Drive	1) Change white balance to "Normal". 2) Repeat procedure 3) to 11) of Cool mode.				
3			White balance:	PANEL W/B R,G,B Drive	1) Change white balance to "Warm". 2) Repeat procedure 3) to 11) of Cool mode.				
4			Picture: Normal White balance: Cool Aspect: 16:9	_	1) Change color templature to "Cool". 2)Re-set Sub bright to "30"				

		Equipment	Setting	Alignment menu	Procedure					
5			Picture: Normal Aspect: 16:9		Write down each color temaparature of R,G,B drive and Cut off data as follows.					
			White balance: Cool Normal Warm		White Balance Cool Normal Warm R Drive G Drive B Drive R Cut off G Cut off B Cut off					
	SECAM signal				2) Input SECAM signal.3) Copy PAL R,G,B drive and cut off data of each white balance mode to SECAM position.					

	INPUT	Equipment	Setting	Alignment menu	Procedure				
	PC Gray Scale Pattern High light 75% - Low light 15%	Color Analyzer	White balance: Cool Aspect: 16:9	PANEL W/B G cut off PANEL W/B B cut off R cut off Sub Adjust Sub Bright PANEL W/B G Drive PANEL W/B B Drive R Drive PANEL W/B R,G,B Drive R,G,B Drive PANEL W/B	 5) If Sub Bright is changed re-adjust it to set Low light to 10 cd/m². 6)Find 75% of white area by color sensor. 7) Set G Drive to "D8". 8) Adjust B and R Drive to set color temperature as shown Fig03. 9) Repeat item 4) to 7) to set both Low light and high light. 10) Increase same steps of R, G and B Drive to set 				
2			White balance:	PANEL W/B R,G,B Drive	1) Change white balance to "Normal". 2) Repeat procedure 3) to 11) of Cool mode.				
3			White balance:	PANEL W/B R,G,B cut off PANEL W/B R,G,B Drive	1) Change white balance to "Warm". 2) Repeat procedure 3) to 11) of Cool mode.				
4			Picture: Normal White balance: Cool Aspect: 16:9		1) Change color templature to "Cool". 2)Re-set Sub bright to "30"				

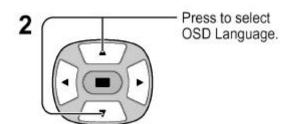
	INPUT	Equipment	Setting	Alignment menu	Procedure					
5			Picture: Normal Aspect: 16:9		Write down each color temaparature of R,G,B drive and Cut off data as follows.					
	RGB Gray Scale Pattern High light 75% - Low light 15%		White balance: Cool Normal Warm		White Balance Cool Normal Warm R Drive G Drive B Drive R Cut off G Cut off B Cut off B Cut off 2) Input RGB signal. 3) Copy PC R,G,B drive and cut off data of each white balance mode to RGB position.					
6	DVI Gray Scale Pattern High light 75% - Low light 15%		Picture: Normal Aspect: 16:9 White balance: Cool Normal Warm		1) Write down each color temaparature of R,G,B drive and Cut off data as follows. White					

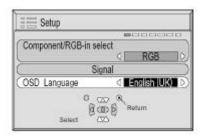
	INPUT	Equipment	Setting	Alignment menu	Procedure				
1	HD (720i or 1080i) Gray Scale Pattern High light 75% - Low light 15%	Color Analyzer	Picture: Normal White balance: Cool Aspect: 16:9	PANEL W/B G cut off PANEL W/B B cut off R cut off Sub Adjust Sub Bright PANEL W/B G Drive PANEL W/B B Drive R Drive PANEL W/B R,G,B Drive R,G,B Drive PANEL W/B	 5) If Sub Bright is changed re-adjust it to set Low light to 10 cd/m². 6) Find 75% of white area by color sensor. 7) Set G Drive to "D8". 8) Adjust B and R Drive to set color temperature as shown Fig04. 9) Repeat item 4) to 7) to set both Low light and high light. 10) Increase same steps of R, G and B Drive to set 				
2			White balance:	PANEL W/B R,G,B cut off PANEL W/B R,G,B Drive	1) Change white balance to "Normal". 2) Repeat procedure 3) to 11) of Cool mode.				
3			White balance:	PANEL W/B R,G,B cut off PANEL W/B R,G,B Drive	1) Change white balance to "Warm". 2) Repeat procedure 3) to 11) of Cool mode.				
4			Picture: Normal White balance: Cool Aspect: 16:9		1) Change color templature to "Cool". 2)Re-set Sub bright to "30"				

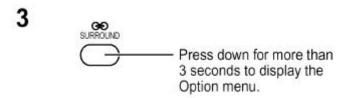
	INPUT	Equipment	Setting	Alignment menu	Procedure					
5			Picture: Normal Aspect: 16:9		Cut	rite down eac	ollows.			e and
	RGB		White balance: Cool			Balance R Drive	Cool	Normal	Warm	_
	Gray Scale		Normal			G Drive				-
	Pattern		Warm			B Drive				
						R Cut off				
						G Cut off				
	\circ					B Cut off				
7	High light 75% - Low light 15%				2)Ch	ange input siç opy HD drive a lance mode to	and cut off d	ata of each	white	
6			Picture: Normal Aspect: 16:9			rite down eac t off data as fo		aparature of	R,G,B drive	e and
						White				
			White balance:			Balance	Cool	Normal	Warm	
	RGB		Cool			R Drive				
	Gray Scale		Normal			G Drive				_
	Pattern		Warm			B Drive				_
						R Cut off				
	\circ					G Cut off				-
						B Cut off				J
7	High light 75% - Low light 15%				3) Cc	ange input sigopy HD drive allance mode to	and cut off d	ata of each	white	
7			Picture: Normal Aspect: 16:9		Cut	rite down eac t off data as fo		aparature of	R,G,B drive	e and
						White		[<u>, </u>		
	DOD		White balance:			Balance	Cool	Normal	Warm	-
	RGB Gray Scale		Cool Normal			R Drive G Drive				-[
	Pattern		Normai Warm			B Drive	 			1
	. attorn		vvai III			R Cut off	 			1
						G Cut off				1
	\circ					B Cut off				1
							•			•
	1 1									
	/ /				2)Ch	ange input siç	gnal to 625i	and 625p.		
/	High light 75%									
14	- Low light 15%					py HD drive a			white	
					ba	lance mode to	o each signa	als position.		

How to access the Option menu

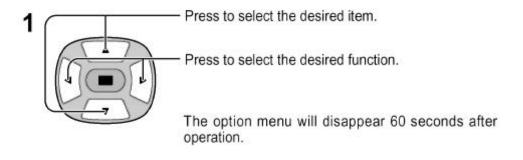
1 Press to display the Setup menu.







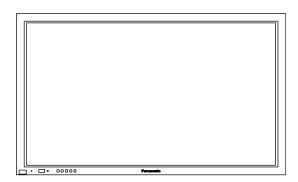
Setting the Option menus





Service Manual

High Definition Plasma Display



TH-50PHW6BX TH-50PHW6EX TH-50PHD6EX TH-50PHD6BX TH-50PHD6UY

GPH6D2 Chassis

Specifications

Power Source: AC120V 50/60Hz (UY version)

AC220-240V 50/60Hz

(Except UY version model)

Power Consumption: 445 W

Save off 1.6 W, Save on 0.9 W (stand-by

condition)
(UY version)

Save off 1.9 W, Save on 1.1 W (stand-by

condition)

(Except UY version model)0.2 W (Power off condition)

(UY version model)

0.4 W (Power off condition)(Except UY version model)

Plasma Display panel: Drive method AC type

16:9 aspect ratio

Contrast Ratio 3000:1

Screen size: 1,106 mm (W) × 622 mm (H)

1,269 mm (diagonal)

No. of pixels

 $1,049,088 (1,366 (W) \times 768 (H))$

 $[4,098 \times 768 \text{ dots}]$

Operating condition:

Temperature 34 °F - 104 °F (0 °C - 40 °C)

Humidity 20 % - 80 %

Horizontal scanning frequency 15 - 110kHz Vertical scanning frequency 48 - 120Hz Connection terminals:

ΑV

Video in 1.0 Vp-p (75-ohm)

S-VIDEO IN Y: 1 Vp-p (75-ohm), C: 0.286 Vp-p

(MINI DIN 4PIN) (75-ohm)

AUDIO IN 0.5 Vrms (high impedance)

(RCA PIN JACK x 2)

COMPONENT/RGB

Y/G 1.0 Vp-p/composite (75-ohm)

0.7 Vp-p/non-composite (75-ohm)

 P_B/B 0.7 Vp-p (75-ohm) P_R/R 0.7 Vp-p (75-ohm)

HD 1.0 - 5.0 Vp-p (high impedance)
VD 1.0 - 5.0 Vp-p (high impedance)
AUDIO IN 0.5 Vrms (high impedance)

(RCA PIN JACK×2)

РС

(HIGH-DENSITY R,G,B/0.7 Vp-p (75-ohm)

D-SUB15PIN)

HD, VD/1.0 - 5.0 Vp-p (high

impedance)

AUDIO IN (M3 JACK) 0.5Vrms (high impedance)

SERIAL

EXTERNAL CONTROL RS-232C COMPATIBLE

TERMINAL (D-SUB9PIN)

SPEAKERS (External 16W speakers) (6Ω)

16W [8W+8W] (10% THD)



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approx. 43.5 kg net (main unit only) approx. 48.1 kg net (with speakers)

⚠ WARNING

This service information is designed for experienced repair technicians only and is not designed for use by the general public. It does not contain warnings or cautions to advise non-technical individuals of potential dangers in attempting to service a product. Products powered by electricity should be serviced or repaired only by experienced professional technicians. Any attempt to service or repair the product or products dealt with in this service information by anyone else could result in serious injury or death.

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1 Applicable signals

1,280×1,024@85 Hz

1,600×1,200@60 Hz

1,0660 × 600@60 Hz

1,366 × 768@60 Hz

28

29

30

31

VIDEO input

VIDEC) input					
	signal name	horizontal frequency(kHz)	vertital frequency(Hz)			
1	NTSC	15.734	59.95]		
2	PAL	15.625	50	(* 1	Mark:	
3	PAL60	15.734	59.95			ing the optional
4	SECAM	15.625	50			Board.
5	Modified NTSC	15.734	59.95			
Applic	eable input signals for PC Inpu	÷	•			
	signal name	horizontal frequency(kHz)	vertital frequency(Hz)	RGB	PC	when Multi Screen and Digital Zoom
1	525(480)/60i	15.73	59.94	*	*	*
2	525(480)/60p	31.47	59.94	*	*	*
3	625(575)/50i	15.63	50.00	*	*	*
4	625(575)/50p	31.25	50.00	*	*	*
5	750(720)/60p	45.00	60.00	*	*	*
6	750(720)/50p	37.50	50.00	*	*	*
7	1,125(1,080)/60i	33.75	59.94	*	*	*
8	1,125(1,080)/50i	28.13	50.00	*	*	*
9	1,125(1,080)/24p	27.00	24.00	*	*	
10	1,125(1,080)/24sF	27.00	48.00	*	*	*
11	1,250(1,080)/50i	31.25	50.00	*	*	*
12	640×400@70 Hz	31.47	70.00		*	*
13	640×480@60 Hz	31.47	59.94		*	*
14	Macintosh13"(640 × 480)	35.00	66.67		*	*
15	640×480@75 Hz	37.50	75.00		*	*
16	852×480@60 Hz	31.50	60.00		*	*
17	800×600@60 Hz	37.88	60.32		*	*
18	800×600@75 Hz	46.88	75.00		*	*
19	800×600@85 Hz	53.67	85.06		*	*
20	Macintosh16"(832 × 624)	49.73	74.55		*	*
21	1,024×768@60 Hz	48.36	60.00		*	*
22	1,024×768@70 Hz	56.48	70.07		*	*
23	1,024×768@75 Hz	60.02	75.03		*	*
24	1,024×768@85 Hz	68.68	85.00		*	*
25	Macintosh21"(1,152×870)	68.68	75.06		*	
26	1,280×1,024@60 Hz	63.98	60.02		*	
27	1,280×1,024@75 Hz	79.98	75.03		*	

91.15

75.00

37.88

48.36

85.02

60.00

60.32

60.00

*

*

*

*

2 Safety Precautions

2.1. General Guidelines

- 1. When servicing, observe the original lead dress. If a short circuit is found, replace all parts which have been overheated or damaged by the short circuit.
- 2. After servicing, see to it that all the protective devices such as insulation barriers, insulation papers shields are properly installed.
- 3. After servicing, make the following leakage current checks to prevent the customer from being exposed to shock hazards.

2.1.1. Leakage Current Cold Check

- 1. Unplug the AC cord and connect a jumper between the two prongs on the plug.
- 2. Measure the resistance value, with an ohmmeter, between the jumpered AC plug and each exposed metallic cabinet part on the equipment such as screwheads, connectors, control shafts, etc. When the exposed metallic part has a return path to the chassis, the reading should be between $1M\Omega$ and $5.2M\Omega$.

When the exposed metal does not have a return path to the chassis, the reading must be ∞ .

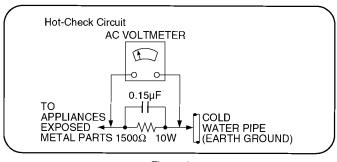


Figure 1

2.1.2. Leakage Current Hot Check (See Figure 1.)

- Plug the AC cord directly into the AC outlet. Do not use an isolation transformer for this check.
- 2. Connect a $1.5 k\Omega$, 10 watts resistor, in parallel with a $0.15 \mu F$ capacitors, between each exposed metallic part on the set and a good earth ground such as a water pipe, as shown in Figure 1.
- 3. Use an AC voltmeter, with 1000 ohms/volt or more sensitivity, to measure the potential across the resistor.
- 4. Check each exposed metallic part, and measure the voltage at each point.
- Reverse the AC plug in the AC outlet and repeat each of the above measurements.
- 6. The potential at any point should not exceed 0.75 volts RMS. A leakage current tester (Simpson Model 229 or equivalent) may be used to make the hot checks, leakage current must not exceed 1/2 milliamp. In case a measurement is outside of the limits specified, there is a possibility of a shock hazard, and the equipment should be repaired and rechecked before it is returned to the customer.

3 Prevention of Electro Static Discharge (ESD) to Electrostatically Sensitive (ES) Devices

Some semiconductor (solid state) devices can be damaged easily by static electricity. Such components commonly are called Electrostatically Sensitive (ES) Devices. Examples of typical ES devices are integrated circuits and some field-effect transistors and semiconductor "chip" components. The following techniques should be used to help reduce the incidence of component damage caused by electro static discharge (ESD).

- 1. Immediately before handling any semiconductor component or semiconductor-equipped assembly, drain off any ESD on your body by touching a known earth ground. Alternatively, obtain and wear a commercially available discharging ESD wrist strap, which should be removed for potential shock reasons prior to applying power to the unit under test.
- 2. After removing an electrical assembly equipped with ES devices, place the assembly on a conductive surface such as alminum foil, to prevent electrostatic charge buildup or exposure of the assembly.
- 3. Use only a grounded-tip soldering iron to solder or unsolder ES devices.
- 4. Use only an anti-static solder removal device. Some solder removal devices not classified as "anti-static (ESD protected)" can generate electrical charge sufficient to damage ES devices.
- 5. Do not use freon-propelled chemicals. These can generate electrical charges sufficient to damage ES devices.
- 6. Do not remove a replacement ES device from its protective package until immediately before you are ready to install it. (Most replacement ES devices are packaged with leads electrically shorted together by conductive foam, alminum foil or comparable conductive material).
- 7. Immediately before removing the protective material from the leads of a replacement ES device, touch the protective material to the chassis or circuit assembly into which the device will be installed.

Caution

Be sure no power is applied to the chassis or circuit, and observe all other safety precautions.

8. Minimize bodily motions when handling unpackaged replacement ES devices. (Otherwise hamless motion such as the brushing together of your clothes fabric or the lifting of your foot from a carpeted floor can generate static electricity (ESD) sufficient to damage an ES device).

IMPORTANT SAFETY NOTICE

There are special components used in this equipment which are imporant for safety.

These parts are marked by \triangle in the schematic diagrams, Exploded Views and replacement parts list. It is essential that these critical parts should be replaced with manufacturer's specified parts to prevent shock, fire, or other hazards. Do not modify the original design without permission of manufacturer.

4 About lead free solder (PbF)

Note: Lead is listed as (Pb) in the periodic table of elements.

In the information below, Pb will refer to Lead solder, and PbF will refer to Lead Free Solder.

The Lead Free Solder used in our manufacturing process and discussed below is (Sn+Ag+Cu).

That is Tin (Sn), Silver (Ag) and Copper (Cu) although other types are available.

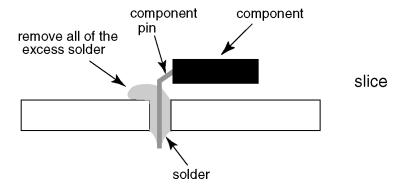
This model uses Pb Free solder in it's manufacture due to environmental conservation issues. For service and repair work, we'd suggest the use of Pb free solder as well, although Pb solder may be used.

PCBs manufactured using lead free solder will have the PbF within a leaf Symbol stamped on the back of PCB.

Caution

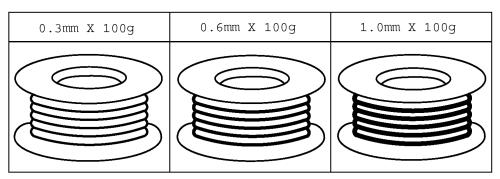
- Pb free solder has a higher melting point than standard solder. Typically the melting point is $50 \sim 70$ °F ($30\sim40$ °C) higher. Please use a high temperature soldering iron and set it to 700 ± 20 °F (370 ± 10 °C).
- Pb free solder will tend to splash when heated too high (about 1100 °F or 600 °C).

 If you must use Pb solder, please completely remove all of the Pb free solder on the pins or solder area before applying Pb solder. If this is not practical, be sure to heat the Pb free solder until it melts, before applying Pb solder.
- After applying PbF solder to double layered boards, please check the component side for excess solder which may flow onto the opposite side. (see figure below)



Suggested Pb free solder

There are several kinds of Pb free solder available for purchase. This product uses Sn+Ag+Cu (tin, silver, copper) solder. However, Sn+Cu (tin, copper), Sn+Zn+Bi (tin, zinc, bismuth) solder can also be used.



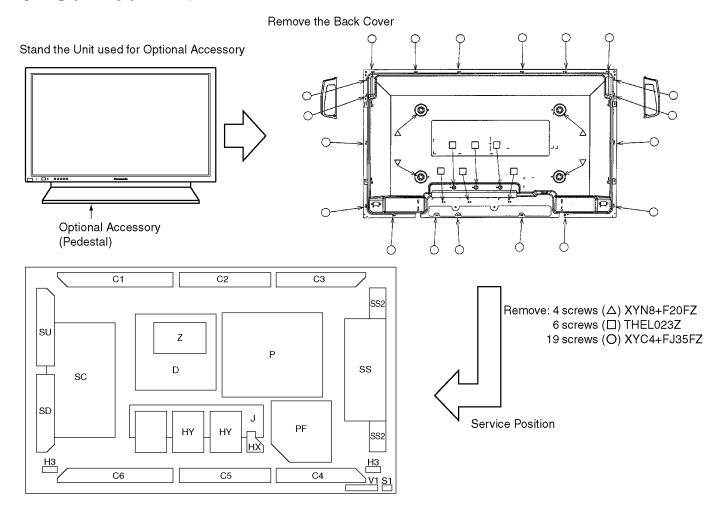
5 PCB Structure sheet of GPH6D2 chassis

Board Name	Function	Remarks
D	Digital Signal Processor	1
J	Slot Interface & SYNC processor	1
Z	Audio out, DC-DC converter	
SS	Sustain Out	1
SC	Scan out	1
SU	Sustain connection (Upper)	1
SD	Sustain connection (Lower)	1
C1	Data Drive (Upper Right)	
C2	Data Drive (Upper Center)	
C3	Data Drive (Lower Left)	
C4	Data Drive (Lower Left)	
C5	Data Drive (Lower Center)	
C6	Data Drive (Lower Right)	
H3	Speaker terminal	
S1	Power switch	
SS2	Sustain connection (Upper)	
SS3	Sustain connection (Lower)	
V1	Front SW. & Remote receiver	
PF	Line filter	
Р	Power supply	1
HX	PC_type_Input terminal	
HY	BNC Composite/Component Video	2
HZ	BNC Component Video	3

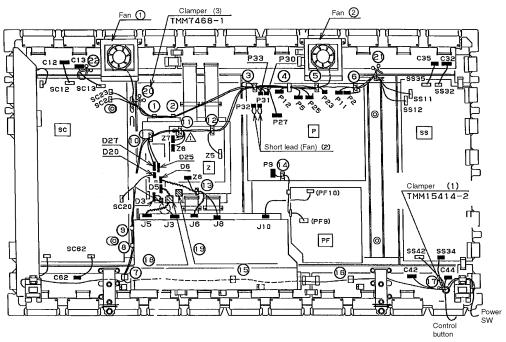
Remarks

- 1. Recommend PCB's for initial service for GPH6D2 chassis.
- 2. For System model except BX, EX version
- 3. For Consumer model except BX, EX version

6 Service Hint



7 Location of Lead Wiring



		Τ_	_		_			_	_			_		_		_			_		_		
CON:NO	CON:NO.	1	2	3	4	(5)	6	7	8	9	10	1	12	13	14)	(15)	16	17	18	19	20	21)	2
SC2	— P2		\bigcirc	0	0	\bigcirc	\bigcirc																
SC23	— P23	\bigcirc	\bigcirc	\bigcirc	\bigcirc	\bigcirc															\bigcirc		
SC20	— D20																						
D27	— P27			\bigcirc							\odot	\bigcirc	\bigcirc										
D25	— P25			\bigcirc	\bigcirc						\bigcirc	\bigcirc	\bigcirc										
D3	— ЈЗ																						
D6	—— J6													\bigcirc									
Z8	— J8													\bigcirc									
D5	—— J5																		\bigcirc				
Z 5	—— P5			\bigcirc	\bigcirc								\bigcirc										
SP (SC SIDE)	—— Z7							\bigcirc	\bigcirc	\bigcirc	\bigcirc	\bigcirc											
SP (SS SIDE)	— Z6							\bigcirc	\bigcirc	\bigcirc	\bigcirc	\bigcirc				\bigcirc	\bigcirc	\bigcirc					
SS12	— P12				\bigcirc	\bigcirc	\bigcirc														(\bigcirc	
SS11	— P11						\bigcirc														(\bigcirc	
SS42	— C42																	\bigcirc					
SS32	— C32																						
POWER SW	SS34																	\bigcirc					
CONTROL BUTTON	— C44																	\bigcirc					
PF9	— P9														\bigcirc								
PF10	— J10																						
FAN ①	— P30	\bigcirc	\bigcirc	0																	\bigcirc		
FAN ②	— P33			0	\bigcirc	\bigcirc																	
SS35	— C35																						
SC12	— C12																						
SC13	— C13																						\bigcirc
SC62	— C62																						

Wind up second times.

Connector Connection: P2, P5, P9, P11, P12, P23, P25, P27, P30, P31, P32, P33

Z6, Z7, Z8,

D3, D5, D6, D20, D25, D27

J3, J5, J6, J8, J10,

SS34,

C12, C13, C32, C35, C42, C44, C62

8 Adjustment Procedure

8.1. Driver Set-up

8.1.1. Item / Preparation

1. Input an APL 100 % white signal.

2. Set the picture controls: -

Picture mode: Normal White balance: Cool Aspect: 16:9

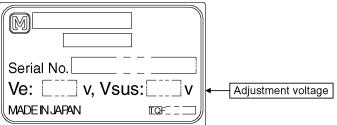
8.1.2. Adjustments

Adjust driver section voltages referring the panel data on the panel data label.

Mana	Tast Daint	Maltana	Maliana	Damadia
Name Test Point		Voltage	Volume	Remarks
Vsus	TPVSUS (SS)	173V ± 2V	VR641 (P)	
Vset	TPVSET (SC)	220V ± 5V		
Vbk	TPVBK (SC)	140V ± 1V	R6670 (SC)	
Vad	TPVAD (SC)	-85V ± 1V	R6477 (SC)	
Vscn	TPVSCN (SC)	Vad*+118V ± 2V		
Ve	TPVE (SS)	150V ± 1V	R6770 (SS)	
Vda	TPVDA (SS)	75V ± 1V	VR665 (P)	

^{*}See the Panel label.

Panel Label information



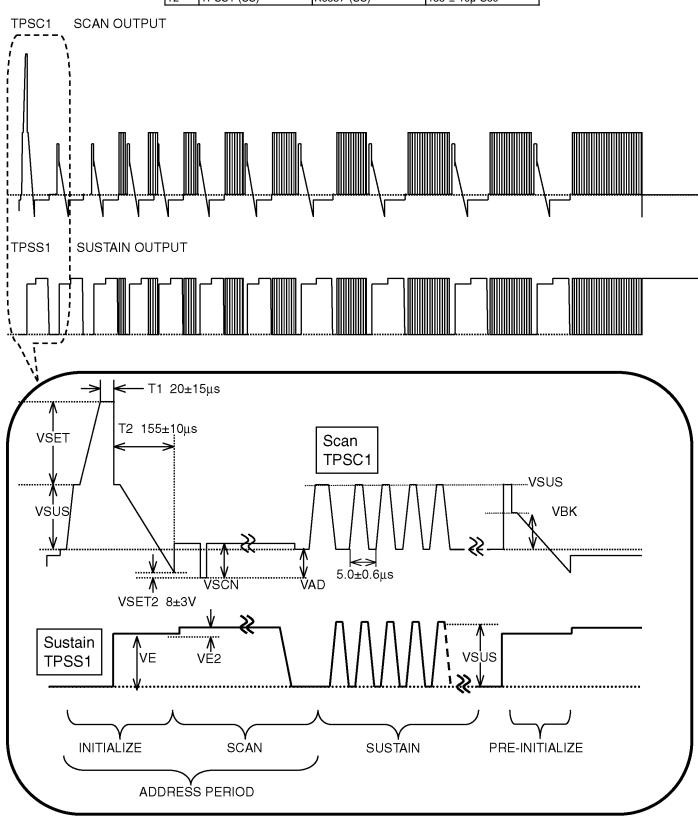
8.2. Initialization Pulse Adjust

- 1. Input a Cross hatch signal.
- 2. Set the picture controls: -

Picture mode: Normal White balance: Cool

Adjust the indicated test point for the specified wave form.

	Test point	Volume	Level
T1	TPSC1 (SC)		20 ± 15µ Sec
T2	TPSS1 (SS)	R6557 (SC)	155 ± 10µ Sec



8.3. P.C.B. (Printed Circuit Board) exchange

8.3.1. **Caution**

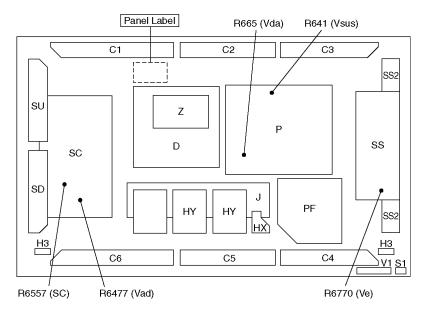
1. To remove P.C.B., wait 1 minute after power was off for discharge from electrolysis capacitors.

8.3.2. Quick adjustment after P.C.B. exchange

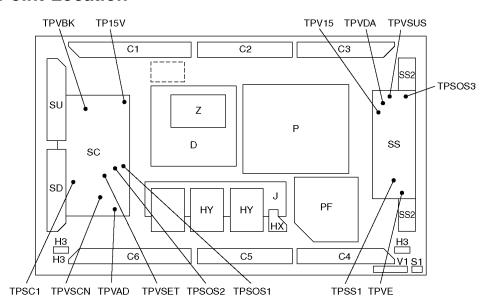
P.C.B.	Name	Test Point	Voltage	Volume	Remarks				
P Board	Vsus	TPVSUS (SS)	173V ± 2V	R641 (P)					
	Vda	TPVDA (SS)	75V ± 1V	R665 (P)					
SC Board	Vad	TPVAD (SC)	85V ± 1V	R6477 (SC)					
	Vset	TPVSET (SC)	220V ± 5V						
	Vscn	TPVSCN (SC)	Vad + 118 ± 2V						
	Vbk	TPVBK (SC)	140 ± 1V	R6670 (SC)					
SS Board	SS Board Ve TPVE (SS)			R6770 (SS)					
D, J Board	White blance, Pedestal and Sub brightness for NTSC, PAL, HD, PC and 625i signals								

^{*}See the Panel label.

8.4. Adjustment Volume Location



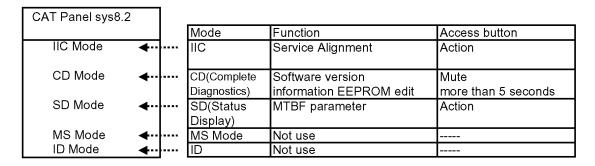
8.5. Test Point Location



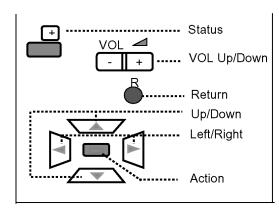
9 Service mode

9.1. CAT (computer Aided Test) mode

CAT mode menu



Remote control



How to access the CAT mode.

Press and the hold the Volume down / - buton on the front panel of the unit and press the status button on the remote control 3 times quickly within 1 second, this will place the unit into the CAT mode.

To exit the CAT mode, access the ID mode and switch off the main power.

9.1.1. IIC mode

Select the IIC mode by **Up/Down button** on the remote control at the front page of CAT mode then press the **Action button** on the remote control.

PAL: JUST Mid Panel W/B Adj. ---- Subject R-Drive ---- Item D5 D5 New data Original data

How to use the IIC mode.

- 1. Select the alignment **Subject** by **Up/Down buttons** on the remote control.
- 2 .Select the alignment **Item** by **Left/Right buttons** on the remote control.
- 3. Adjust optimum setting by Volume Up/Down buttons on the remote control.
- 4. The **data is memorized** when press the **R button** on the remote control or change the alignment Subject (or Items).

Subject and item are mentioned on page 14.

To exit the IIC mode, press the R button on the remote control.

9.1.2. CD mode

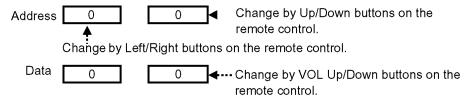
Select the CD mode by **Up/Down button** on the remote control at the front page of CAT mode then press the **Mute button** on the remote control more than 5 sec.

OSD MiCom Software version. 0.11 OK ------ Factory use 8 63 Memory data version D 0.11 Memory data version H 21.05 78 3F Memory data change Address 0 0 Data New data 0 0 Original data

Micom software version (IC9705), this version can be upgrade by

- 1. replace of new version IC
- 2. Loading the new version software from loader tool, TZSC07036.

Memory data change

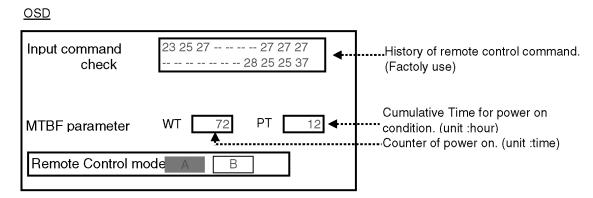


The data is memorized when switch off the main power.

To exit the CD mode, press the R button on the remote control.

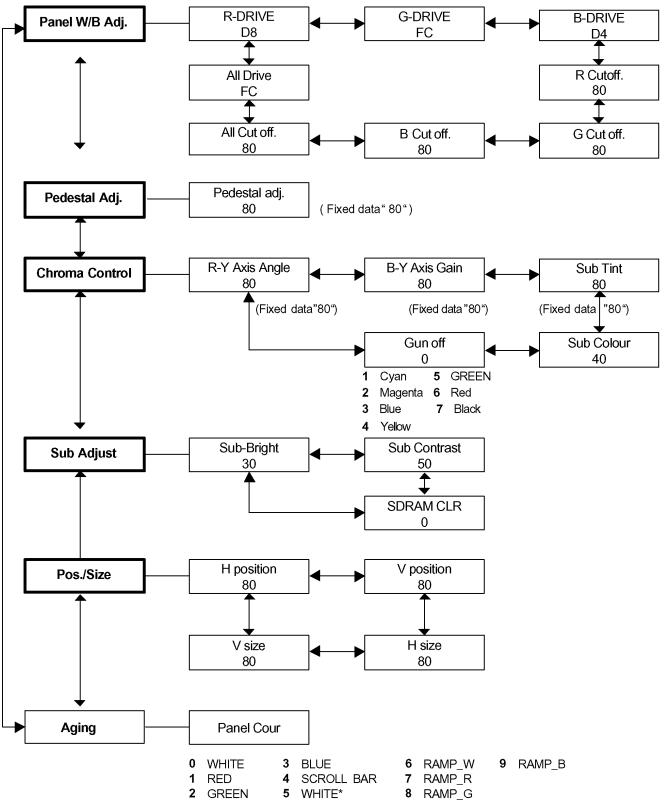
9.1.3. SD mode

Select the SD mode by Up/Down button on the remote control at the front page of CAT mode then press the Action button on the remote control.



To exit the SD mode, press the R button on the remote control.

9.2. IIC mode structure (following items value is sample data.)



These are selected by Action button of Remote.

^{*}Automatically power off/on after few minutes later.

10 Alignment

10.1. Pedestal setting (C)

	INPUT	Equipment	Setting	Alignment menu	Procedure
1	RGB(PC) Gray Scale Pattern Black 2 % Black 0 %		Picture: Normal White balance: Cool Aspect: 16:9 COMPONENT /RGB-IN: RGB	G cut off B cut off B cut off Chroma Control: Gun off RGB Sub Adjust: G Sub Bright 1 Chroma Control: Gun off RGB Sub Adjust: B Sub Bright 1 Chroma Control:	
2	Component (525i, 525p, 625i, 720i or 1080i) Gray Scale Pattern Black 2 % Black 0 %		White balance:	PANEL W/B R,G,B cut off PANEL W/B R,G,B Drive	1) Change input to Component signal. 2) Repeat procedure 1) to 7) of RGB input signal.

Note:

OSD is the difference between UY model and Except UY model.

Picture: Normal (Except UY)/Standard (UY model) White balance (Except UY)/Color Temp (UY model)

10.2. Pedestal setting (B)

	INPUT	Equipment	Setting	Alignment menu	Procedure
1	RGB(PC) Gray Scale Pattern Black 2 % Black 0 %		Picture: Normal White balance: Cool Aspect: 16:9 COMPONENT /RGB-IN: RGB	G cut off B cut off B cut off Chroma Control: Gun off RGB Sub Adjust: G Sub Bright 2 Chroma Control: Gun off RGB Sub Adjust: B Sub Bright 2 Chroma Control: Gun off RGB Sub Adjust:	3) Set Gun off to "5". (Only green pixels can emit.) 4) Adjust G Sub bright to start some of green pixels emission at black 2% area and no emission at black 0% area. 5) Set Gun off to "3". (Only blue pixels can emit.)
2	Component (525i, 525p, 625i, 720i or 1080i) Gray Scale Pattern Black 2 % Black 0 %		White balance:	PANEL W/B R,G,B Drive	Change input to Component signal. Repeat procedure 1) to 7) of RGB input signal.

Note:

OSD is the difference between UY model and Except UY model.

Picture: Normal (Except UY)/Standard (UY model) White balance (Except UY)/Color Temp (UY model)

10.3. NTSC panel white balance

	INPUT	Equipment	Setting	Alignment menu	Procedure
1	NTSC Gray Scale Pattern High light 75% - Low light 15%	Color Analyzer	Picture: Normal White balance: Cool Aspect: 16:9	PANEL W/B G cut off PANEL W/B B cut off R cut off Sub Adjust Sub Bright PANEL W/B G Drive PANEL W/B B Drive R Drive PANEL W/B R,G,B Drive R,G,B Drive PANEL W/B	 5) If Sub Bright is changed re-adjust it to set Low light to 10 cd/m2. 6)Find 75% of white area by color sensor. 7) Set G Drive to " D8 ". 8) Adjust B and R Drive to set color temperature as shown Fig01. 9) Repeat item 4) to 7) to set both Low light and high light. 10) Increase same steps of R, G and B Drive to set
2			White balance:	PANEL W/B R,G,B cut off PANEL W/B R,G,B Drive	1) Change white balance to "Normal". 2) Repeat procedure 3) to 11) of Cool mode.
3			White balance:	PANEL W/B R,G,B cut off PANEL W/B R,G,B Drive	1) Change white balance to "Warm". 2) Repeat procedure 3) to 11) of Cool mode.
4			Picture: Normal White balance: Cool Aspect: 16:9	_	1) Change color templature to "Cool". 2)Re-set Sub bright to "30"

10.4. PAL/SECAM panel white balance

	INPUT	Equipment	Setting	Alignment menu	Procedure
	PAL Gray Scale Pattern High light 75% – Low light 15%	Color Analyzer	Picture: Normal White balance: Cool Aspect: 16:9	PANEL W/B G cut off PANEL W/B B cut off R cut off Sub Adjust Sub Bright PANEL W/B G Drive PANEL W/B B Drive R Drive R,G,B Drive PANEL W/B	 5) If Sub Bright is changed re-adjust it to set Low light to 10 cd/m₂. 6)Find 75% of white area by color sensor. 7) Set G Drive to " D8 ". 8) Adjust B and R Drive to set color temperature as shown Fig02. 9) Repeat procedure 4) to 7) to set both Low light and high light. 10) Increase same steps of R, G and B Drive to set
2			White balance:	PANEL W/B R,G,B cut off PANEL W/B R,G,B Drive	1) Change white balance to "Normal". 2) Repeat procedure 3) to 11) of Cool mode.
3			White balance:	PANEL W/B R,G,B cut off PANEL W/B R,G,B Drive	1) Change white balance to "Warm". 2) Repeat procedure 3) to 11) of Cool mode.
4			Picture: Normal White balance: Cool Aspect: 16:9		1) Change color templature to "Cool". 2)Re-set Sub bright to "30"

		Equipment	Setting	Alignment menu			Pr	ocedure		
5			Picture: Normal Aspect: 16:9			rite down eacl		aparature of	R,G,B drive	and
			White balance: Cool Normal Warm			White Balance R Drive G Drive B Drive R Cut off G Cut off B Cut off	Cool	Normal	Warm	
	SECAM signal				3) Co	out SECAM si opy PAL R,G,I lance mode to	B drive and		of each white	Э

10.5. PC/RGB panel white balance

	INPUT	Equipment	Setting	Alignment menu	Procedure
	PC Gray Scale Pattern High light 75% – Low light 15%	Color Analyzer	Picture: Normal White balance: Cool Aspect: 16:9	PANEL W/B G cut off PANEL W/B B cut off R cut off Sub Adjust Sub Bright PANEL W/B G Drive PANEL W/B B Drive R Drive PANEL W/B R,G,B Drive R,G,B Drive PANEL W/B	 5) If Sub Bright is changed re-adjust it to set Low light to 10 cd/m₂. 6)Find 75% of white area by color sensor. 7) Set G Drive to " D8 ". 8) Adjust B and R Drive to set color temperature as shown Fig03. 9) Repeat item 4) to 7) to set both Low light and high light. 10) Increase same steps of R, G and B Drive to set
2			White balance:	PANEL W/B R,G,B cut off PANEL W/B R,G,B Drive	1) Change white balance to "Normal". 2) Repeat procedure 3) to 11) of Cool mode.
3			White balance:	PANEL W/B R,G,B cut off PANEL W/B R,G,B Drive	1) Change white balance to "Warm". 2) Repeat procedure 3) to 11) of Cool mode.
4			Picture: Normal White balance: Cool Aspect: 16:9		1) Change color templature to "Cool". 2)Re-set Sub bright to "30"

			0.11	A.II.	TH-50PHW6BX / TH-50PHW6EX / TH-50PHD6EX / TH-50PHD6BX / TH-50
	INPUT	Equipment	Setting	Alignment menu	Procedure
5			Picture: Normal Aspect: 16:9		Write down each color temaparature of R,G,B drive and Cut off data as follows.
	RGB Gray Scale Pattern High light 75% - Low light 15%		White balance: Cool Normal Warm		White Balance Cool Normal Warm R Drive G Drive B Drive R Cut off G Cut off B Cut off D Cut off B Cut off
6	DVI Gray Scale Pattern High light 75% - Low light 15%		Picture: Normal Aspect: 16:9 White balance: Cool Normal Warm		1) Write down each color temaparature of R,G,B drive and Cut off data as follows. White

10.6. HD/ 525i /525p /625l /625P panel white balance

	INPUT	Equipment	Setting	Alignment menu	Procedure
	HD (720i or 1080i) Gray Scale Pattern High light 75% – Low light 15%	Color Analyzer	Picture:	Sub Adjust Sub Bright PANEL W/B G cut off PANEL W/B B cut off R cut off Sub Adjust Sub Bright PANEL W/B G Drive PANEL W/B B Drive R Drive R,G,B Drive R,G,B Drive PANEL W/B	 5) If Sub Bright is changed re-adjust it to set Low light to 10 cd/m₂. 6)Find 75% of white area by color sensor. 7) Set G Drive to " D8 ". 8) Adjust B and R Drive to set color temperature as shown Fig04. 9) Repeat item 4) to 7) to set both Low light and high light. 10) Increase same steps of R, G and B Drive to set
2			White balance:	PANEL W/B R,G,B cut off PANEL W/B R,G,B Drive	1) Change white balance to "Normal". 2) Repeat procedure 3) to 11) of Cool mode.
3			White balance:	PANEL W/B R,G,B Drive	1) Change white balance to "Warm". 2) Repeat procedure 3) to 11) of Cool mode.
4			Picture: Normal White balance: Cool Aspect: 16:9		1) Change color templature to "Cool". 2)Re-set Sub bright to "30"

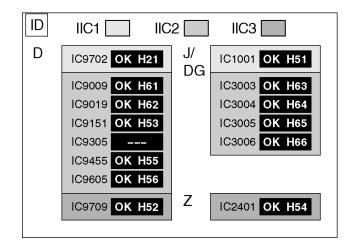
	INPUT	Equipment	Setting	Alignment menu		Pr	ocedure		
5			Picture: Normal Aspect: 16:9		Write down each color temaparature of R,G,B drive and Cut off data as follows.				
	RGB Gray Scale Pattern High light 75% - Low light 15%		White balance: Cool Normal Warm		White Balance R Drive G Drive B Drive R Cut off G Cut off B Cut off 2)Change input 3) Copy HD driv balance mode	e and cut off o	lata of each	Warm	
6	RGB Gray Scale Pattern High light 75% - Low light 15%		Picture: Normal Aspect: 16:9 White balance: Cool Normal Warm		1) Write down ear Cut off data as White Balance R Drive G Drive R Cut off G Cut off B Cut off 2) Change input 3) Copy HD driv balance mode	Cool signal to 525p	Normal and 625i. data of each	Warm	and
7	RGB Gray Scale Pattern High light 75% - Low light 15%		Picture: Normal Aspect: 16:9 White balance: Cool Normal Warm		1) Write down ear Cut off data as White Balance R Drive B Drive R Cut off G Cut off B Cut off Cut of Cut	Cool signal to 625i	Normal and 625p.	Warm	and

11 Trouble shooting guide

11.1. Self Check

- Self-check is used to automatically check the bus line controlled circuit of the Plasma display.
- 2. To get into the Self-check mode, press the volume down button on the customer controls at the front of the set, at the same time pressing the OFF-TIMER button on the remote control, and the screen will show:-

If the CCU ports have been checked and found to be incorrect Or not located then " - - " will appear in place of " OK "



11.2. No Power

11.2.1. Power LED Blinking timing chart

1. Subject

Information of LED Flashing timing chart.

2. Contents

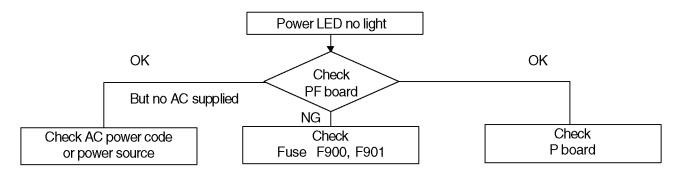
When an abnormality has occurred the unit, the protection circuit operates and reset to the stand by mode. At this time, the defective block can be identified by the number of blinkes of the Power LED on the front panel of the unit.

Blinking times	Blinking timing	Contents & Check point
2		Data Driver
3		3.3V SOS
4		5V SOS
5		Power SOS
6		FAN
7		SCAN Driver
9		SUS Driver

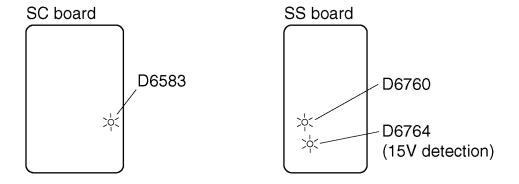
3. Remarks

Above Fan function is operated during the fans are installed.

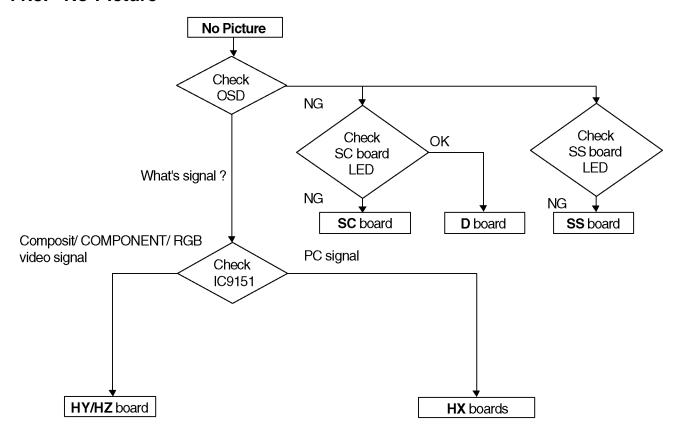
11.2.2. Power LED no light



Drive circuits LED indicator



11.3. No Picture



11.4. Local screen failure

Plasma display may have local area failure on the screen. Fig - 1 is the possible defect P.C.B. for each local area.

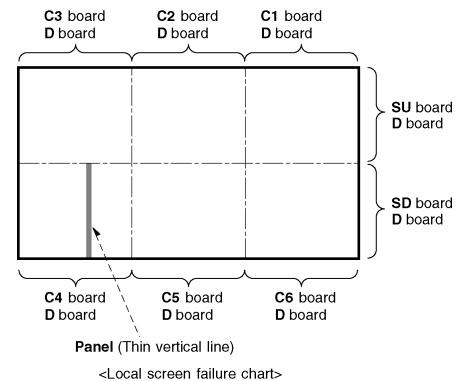
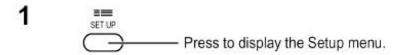


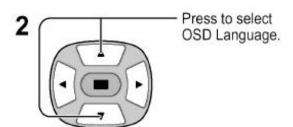
Fig - 1

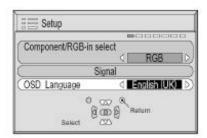
12 Option Setting

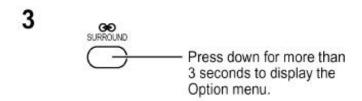
12.1. How to access and setting

How to access the Option menu

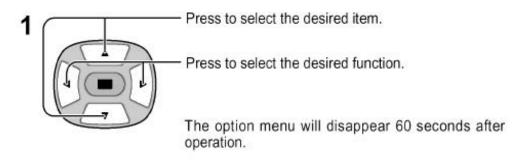








Setting the Option menus





12.2. Contents of Option Menu

This chassis series have special function and operation setting facility called Option Menu. This Option Menu is useful for special function required customers. This should be set at the installation stage. The end user could not set or change these because of hidden On screen menu.

Option menus	default setting	Contents
Off-timer function	Enable	Off-timer operation Enable/Disable.
On Screen display	On	Enable/Disable to display input mode indication after power on and no signal indication.
Initial Input	Off	Sets the initial input mode when the power is turned on . Allow input mode selection while power is on.
Initial VOL. level	Off	Sets the initial volume level when the power is turned on. Allow Volume control while power is on.
Maximum VOL. Level	Off	Sets the maximum volume to desired level. Volume cannot exceed this level.
INPUT lock	Off	Fixes the input mode to AV, Component/RGB or PC. Can not change input mode by input selection key.
Button lock	Off	Enable/Disable front operation buttons (Input and/or volume up/down)
Studio W/B	Off	Set warm mode color temperature to 3,200 Kelvin.
Remocon User Level	Off	Remote key invalidation. Off: Valid key is all key of remote. User1: Valid key are only Stand-by (ON/OFF), Input, Status, Surround, Sound mute On/Off, and volume adjustment. User2: Valid key is only Stand-by (ON/OFF). User3: All keys are null and void
ID Select	0 to 100	Set ID number from 001 to 100.
Remote ID	Off	Remote ID function On/Off. (While the Remote ID on, standard remote function can not control the unit.)
Serial	Off	Serial ID function On/Off
Slot power	Off	Sets the slot power mode the power is turned on. Allow Optional Terminal Board insert Slots while power is on.

Note:

How to set Remocon User Level and Remote ID off

- 1. Access service mode (CAT-mode) and press SET UP key on remote.
- 2. Accsess option menu.
- 3. Change Remocon User Level and/ or Remote ID set to Off.